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VOL. XI MAY, 1921 NUMBER 3

ROANOKE COLLEGE BULLETIN

CATALOGUE NUMBER

SESSION 1920-1921

PUBLISHED QUARTERLY BY THE COLLEGE
SALEM, VIRGINIA

ENTERED AS SECOND-CLASS MATTER MAY 26, 1911, AT THE POST OFFICE AT SALEM, VA., UNDER THE ACT OF JULY 16, 1894

GENERAL CATALOGUE

OF

ROANOKE COLLEGE

SALEM, VIRGINIA

SIXTY-EIGHTH SESSION

1920-1921

WITH ANNOUNCEMENTS FOR 1921-1922

SALEM, VIRGINIA
PUBLISHED BY THE COLLEGE
1921

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CALENDAR

1921

REGISTRATION BEGINS:
Tuesday, September 13.

FORMAL OPENING:
Wednesday, September 14, 11:00 a. m. Registration continued.

CLASS WORK BEGINS:
Thursday, September 15, 8:00 a. m.

ENTRANCE EXAMINATIONS:
Monday to Wednesday, September 19-21.

ARMISTICE DAY CELEBRATION:
Friday, November 11, 11:00 a. m.

THANKSGIVING DAY:
Thursday, November 24, holiday.

CHRISTMAS RECESS:
Thursday, December 22, 1:30 p. m. to Tuesday, January 3, 8:00 a. m.

1922

DEMOSTHENEAN CELEBRATION:
Anniversary Celebration of the Demosthenean Literary Society, Thursday, January 19, 8:00 p. m.

FIRST SEMESTER EXAMINATIONS:
Monday to Saturday, January 23-28.

SECOND SEMESTER BEGINS:
Monday, January 30.

ANNIVERSARY ADDRESS BEFORE THE Y. M. C. A.:
Sunday, February 19, 7:30 p. m.

CICERONIAN CELEBRATION:
Anniversary Celebration of the Ciceronian Literary Society, Wednesday, February 22, 8:00 p. m.

LAST DAY FOR FILING OUTLINES OF THESES:
Wednesday, March 1.

EASTER RECESS:
Thursday, April 13, 1:30 p. m. to Tuesday, April 18, 8:00 a. m.

LAST DAY FOR FILING THESES:
Saturday, April 15.

FINAL EXAMINATIONS:
Monday to Friday, June 5-9.

COMMENCEMENT:
Sunday to Wednesday, June 11-14.

BOARD OF TRUSTEES

Rev. A. D. R. Hancher, A. M., Vice President	Richmond, Va.
Robert W. Kime, A. M., Secretary	Salem, Va.
William H. Ruthrauff, Treasurer	Salem, Va.
President Chas. J. Smith, A. M., D. D., *ex officio*	Salem, Va.
Hon. George W. Koiner, A. M.	Richmond, Va.
Frank H. Chalmers, A. M.	Front Royal, Va.
J. E. Cooper, A. M.	Winchester, Va.
Edgar L. Greever, A. M.	Tazewell, Va.
Ivan V. Yonce	Salem, Va.
Jacob W. Eberly	Strasburg, Va.
Charles D. Denit	Salem, Va.
George A. L. Kolmer, A. M., M. D.	Salem, Va.
A. M. Bowman, A. M.	Salem, Va.
John H. Fahrenbach, A. M.	Buena Vista, Va.
Harry L. Snyder	Shepherdstown, W. Va.
Hon. James P. Woods	Roanoke, Va.
Rev. J. A. Huffard, A. M., D. D.	Luray, Va.
C. Markley	Roanoke, Va.
Geo. W. Tompkins	Roanoke, Va.
C. A. Ernst, Ph. D.	Marcus Hook, Pa.
J. Stuart Etter	Rural Retreat, Va.

The Trustees hold their annual meeting during Commencement.

COMMITTEES OF THE TRUSTEES

EXECUTIVE AND FINANCE COMMITTEE

W. H. Ruthrauff
C. J. Smith
R. W. Kime
A. M. Bowman
George A. L. Kolmer

AUDITING COMMITTEE

R. W. Kime
George A. L. Kolmer
A. M. Bowman

NOMINATING COMMITTEE

C. J. Smith
A. D. R. Hancher
R. W. Kime

ADMINISTRATIVE OFFICERS

President
CHARLES J. SMITH, A. M., D. D.

Dean
CHARLES R. BROWN, A. M., PH. D.

Secretary of the College
DENNIS B. WELSH, A. M.

Secretary of the Faculty
A. PELZER WAGENER, PH. D.

Registrar
D. R. CARPENTER, A. M.

Treasurer
W. E. MANN, A. M.

Librarian
JANET M. FERGUSON

FACULTY

CHARLES JACOB SMITH, A. M., D. D.

President

A. B., Roanoke College, 1901, D. D., 1915; A. M., Princeton University, 1902; Graduate, Mount Airy Theological Seminary, 1905.

LUTHER A. FOX, A. M., D. D., LL. D.

Professor of Philosophy

A. B., Roanoke College, 1868, A. M., 1871, D. D., 1881; LL. D., Susquehanna University, 1915.

WYTHE F. MOREHEAD, A. M.

Professor of English

A. B., Roanoke College, 1884, A. M., 1889; Student, Institute Rudy, Paris, 1888; University of Berlin, 1888-89; University of Leipzig, 1889-91 and 1896-98.

DELMA RAE CARPENTER, A. M.

Professor of Mathematics and Astronomy

A. B., Roanoke College, 1908; A. M., Princeton University, 1909; Student, University of Chicago, Summer Sessions, 1909-10, 1912-14.

GEORGE GOSE PEERY, A. M.

Professor of Biology

A. B., Roanoke College, 1905, A. M., 1907; Student, Johns Hopkins University, 1910-12; Biological Laboratory, Brooklyn Institute of Arts and Sciences, Summer Session, 1914.

ANTHONY PELZER WAGENER, PH. D.

Professor of Latin and Greek

A. B., College of Charleston, 1906; Fellow, Johns Hopkins University, 1909-10; Ph. D., 1910; Fellow, American School of Classical Studies, Rome, 1910-11.

CHARLES R. BROWN, A. M., PH. D.

Professor of History and Economics

A. B., Roanoke College, 1910; A. M., Princeton University, 1911, and Ph. D., 1913.

DENNIS B. WELSH, A. M.

Secretary of the College

A. B., Roanoke College, 1908, A. M., 1909; A. M., Princeton University, 1916.

GILBERT PAUL VOIGT, A. M.

Associate Professor of German

A. B., Newberry College, 1903; A. M., University of Virginia, 1916; Graduate, Southern Lutheran Theological Seminary, 1907; Work in Chicago, Leipzig, and Columbia Universities.

WILBUR EARL MANN, A. M.

Director of the Commercial Department

A. B., Roanoke College, 1909, and A. M., 1910; Certificate for Completion of the Course in Bookkeeping, Roanoke College, Commercial Department, 1908.

ROSCOE M. DOUB, A. M.

Assistant Professor of Physics

A. B., Roanoke College, 1914, and A. M., 1918; Student, Summer Session, Columbia University, 1920.

HARRY I. JOHNSON, A. M., PH. D.

Professor of Chemistry

A. B., Roanoke College, 1912; A. M., 1912; Ph. D., Johns Hopkins University, 1917.

L. G. H. ADOLPH SCHUMACHER, PH. D.

Associate Professor of French and Spanish

Graduate, Gymnasium of Goettingen, 1886; Ph. D., University of Pennsylvania, 1910.

J. E. B. SMITH, A. M.

Lecturer in Education

A. B., Roanoke College, 1899, A. M., 1902; M. S., Virginia Polytechnic Institute, 1904; Student, University of Chicago, School of Education, Summers, 1912-16.

GEORGE A. L. KOLMER, A. M., LL. B., M. D.

College Physician and Lecturer in Hygiene

A. B., Roanoke College, 1907, A. M., 1909; LL. B., University of Maryland, 1904; M. D., Johns Hopkins University, 1913.

JULIUS FIELDING PRUFER, A. B.

Instructor in Mathematics

A. B., Roanoke College, 1920.

REUBEN ROY RUSH, A. B.
Instructor in English and History

A. B., Roanoke College, 1920.

CLARENCE PHLEGAR SMITH, A. M.
Instructor in Latin and Science

A. B., Roanoke College, 1916, A. M., 1917.

GUY H. SPRUHAN
Professor of Physical Education and Director of Athletics

Student, Ohio Northern University, 1910-11, 1912-13; student, University of Mississippi, 1912. Athletic Coach, Roanoke College, 1913-18; Coach in the Major Sports, Virginia Military Institute, 1918-1921.

CONNOR BURKET BATMAN
Assistant in the Biological Laboratory

HARTSELLE DEBURNEY KINSEY
Assistant in the Chemical Laboratory

IRA DALTON CHAPMAN, JR.
Instructor in Gymnasium

JANET M. FERGUSON
Librarian

COMMITTEES OF THE FACULTY

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ON ATHLETICS

PROFESSORS CARPENTER AND PEERY AND PRESIDENT SMITH

ON STUDENT PUBLICATIONS

MR. WELSH AND PROFESSORS BROWN AND MANN.

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PROFESSORS WAGENER AND MOREHEAD AND MISS FERGUSON

ON BUILDINGS AND GROUNDS

PROFESSORS DOUB AND MANN AND PRESIDENT SMITH

ON SOCIAL ACTIVITIES

PROFESSORS WAGENER, CARPENTER, JOHNSON, VOIGT AND MR. WELSH

ON MUSIC

PROFESSORS PEERY AND VOIGT

ON RELIGIOUS ACTIVITIES

PROFESSORS VOIGT, PEERY, AND SCHUMACHER

THE COLLEGE

HISTORICAL SKETCH

In 1842 two Lutheran clergymen from Frederick County, Maryland, Rev. David Frederick Bittle and Rev. Christopher C. Baughman, founded a school near Mt. Tabor church, about eight miles southwest of Staunton, Virginia, which was named the Virginia Institute. In 1845, this was incorporated by the legislature of Virginia under the name of "The Virginia Collegiate Institute." It was moved in 1847 to Salem, a site easily accessible to the two synods in Virginia, and enjoying a healthful climate in addition to picturesque scenery. From the foundation of the institute until it became a college, Rev. C. C. Baughman was the principal.

The act of incorporation, making the Virginia Collegiate Institute Roanoke College, was passed March 14, 1853. Mr. Baughman having resigned, Dr. D. F. Bittle was elected president. The first session opened September 1, 1853. Roanoke was one of the few Southern colleges that maintained their instruction throughout the war of 1861-5. Through the efforts of Dr. Bittle, students who reached the age of eighteen during a given session were permitted by the Secretary of War of the Confederate States to remain in college until the close of the session.

Dr. Bittle died suddenly while attending a meeting of a faculty committee on the evening of September 25, 1876. Dr. T. W. Dosh was elected president in 1877, but resigned the next year to accept a professorship in the Theological Seminary of the United Synod South, then located at Salem. The trustees chose as his successor Dr. Julius D. Dreher, at that time professor of English and financial secretary. After an administration of twenty-five years, during which the influence of the College was greatly broadened and many supporting friends developed, he resigned his position of leadership at the commencement which celebrated the semi-centennial anniver-

sary of the founding of Roanoke. He was succeeded in 1903 by Dr. J. A. Morehead, under whose administration new buildings were added, the courses of study broadened, and the faculty enlarged and strengthened. Upon the resignation of Dr. Morehead in 1920, Dr. Chas. J. Smith was elected President of the College. President Smith entered upon his duties in June, 1920.

LOCATION

Salem, the seat of Roanoke College, is 264 miles west of Norfolk, 60 miles west of Lynchburg, and 7 miles from Roanoke. It is situated on the main line of the Norfolk & Western Railway, and of the Virginian Railway, giving convenient routes and connections for Columbus, Ohio, Charleston, W. Va., Norfolk, Va., and Chattanooga, Tenn. Additional connections are made at Roanoke and at Lynchburg for points in the South and North. These connections render the College easily accessible from all parts of the country. An electric railway connects Salem and Roanoke. There are twelve mails daily and telegraphic connections with all parts of the country. The town has a population of nearly 5,000. It has a good system of waterworks, sewerage, and electric lights. Salem is noted, not only for the intelligence and refinement, but also for the high moral and religious tone of its population. There are churches of six denominations maintaining regular services within easy walking distance of the College.

CLIMATE AND HEALTH

The Roanoke Valley, widely known for its beauty and fertility, has a climate noted for its equability—its summers being seldom too warm and its winters much milder than in the more mountainous sections of Virginia. In this salubrious climate, few of the diseases which infest many portions of the country are known. Most young men from the South improve greatly in physical health, and consequently in mental vigor after a stay of some months in this mountain region.

Within a radius of thirty miles of Salem are seven resorts for mineral waters, while in the immediate vicinity are both

sulphur and chalybeate springs. Salem also attracts a number of summer visitors. Families from different sections of the country find here the comforts of a home, while affording their sons the educational advantages of Roanoke College.

BUILDINGS AND GROUNDS

The old and historic college buildings face the main entrance to the campus and are substantially built of brick. The large administration building houses the college offices on the first floor, the second and third floors being used for classrooms and laboratories. This main building is flanked on either side by East and West Halls which contain the rooms of the two literary societies, the Y. M. C. A. hall, the chapel, and the physical laboratory. These buildings together with the handsome library to the east give a total frontage of 313 feet.

To the north of the main building, the new commons, 101 by 44 feet, is an attractive building in collegiate Gothic style, executed in red brick laid in Flemish bond, with trimmings of Indiana limestone. This is flanked by the new gymnasium, 75 by 40 feet, equipped with modern gymnastic apparatus; and a new dormitory, 250 feet in length, which will accommodate one hundred and twenty students. These three buildings are uniform in architectural style.

The college grounds, which contain about twenty acres, are conveniently situated in the Town of Salem.

Recreation grounds have been set apart, and students are advised to take physical exercise regularly in the open air as well as in the gymnasium.

REQUIREMENTS FOR ADMISSION

Students are admitted to the College either by examination or by certificate from an accredited secondary school or college. All candidates for admission are required to present official certificates of honorable dismissal from the institution which they last attended or other satisfactory evidence of good moral character.

The attendance is limited to 250 students.

ENTRANCE CERTIFICATES

Certificates of admission should be sent to the President of the College at least two weeks before the candidate's arrival. These certificates should state specifically the character and content of each course offered for admission, the amount of time devoted to each, and the student's grade. Blank certificates will be furnished upon application to the Secretary of the College.

ENTRANCE EXAMINATIONS

Applicants for admission to the College who cannot offer satisfactory certificates from accredited preparatory schools for any course may enter by taking an equivalent examination. Entrance examinations are held during the first week after the opening.

LATE REGISTRATION

Students should be present on the day preceding the opening of the session. A week or two lost at the beginning of the session is frequently the cause of embarrassment throughout the year.

Every student is required to register during the two days assigned for registration or within twenty-four hours from the time of his arrival at the College. Students who fail to comply with these regulations will be charged a fee of $2.50 for late registration.

ADMISSION TO FRESHMAN STANDING

The College offers two regular courses of study leading, respectively, to the degrees of Bachelor of Arts and Bachelor of Science. These two courses are differentiated principally in the requirements in foreign language and in science.

The requirement for unconditional admission to the Freshman class in either of the above courses is fifteen units. Students offering at least thirteen units are admitted on condition. All entrance conditions must be removed before the Junior year.

A unit represents the amount of work done in any subject in an accredited secondary school in one session of at least thirty-six weeks of five forty-minute periods each. A full year's work for the average student is about four units.

The distribution of the prescribed and elective units of the entrance requirement for the two courses, respectively, is as follows:

A. B.	UNITS	B. S.	UNITS
English	3	English	3
Latin	3	Foreign Language	4
Modern Language	1	(In two languages)	
History	1	History	1
Mathematics	2.5	Mathematics	2.5
Science	1	Science	1
(Physics, Chemistry, Zoölogy, Botany)		(Physics, Chemistry, Zoölogy, Botany)	
Elective	3.5	Elective	3.5

ADMISSION TO ADVANCED STANDING

Certificates from preparatory schools are not accepted for college credits. Students who hold such certificates and desire advanced standing may secure it by taking examinations on those subjects for which credit is sought.

Certificates for work completed in any college of standard or junior rank will be accepted for full value in place of the corresponding courses offered in this institution. Certificates from

institutions of lower rank will be considered individually and credits will be assigned as the faculty may deem proper.

Certificates from colleges of junior rank are not accepted for the final required work in any department. Students who hold such certificates may satisfy the final requirement of any department either by examination or by taking in course work in addition to that offered by certificate.

The classification of a student who is admitted by certificate is tentative; if the character of his class work in any course indicates insufficient preparation, he may be required to enter a lower course.

A candidate for graduation in three years must meet the requirement for unconditional admission and offer in addition credits by way of advanced standing to the extent of twelve semester hours.

SYNOPSIS OF ENTRANCE UNITS

Subjects	Topics	Units
English A	Advanced Grammar and Analysis	1
English B	Composition and Rhetoric	1
English C	Study in English Classics	1
English D	Composition and History of English and American Literature	1
Latin A	Elementary Grammar and Composition	1
Latin B	Four books of Cæsar, or equivalents	1
Latin C	Six Orations of Cicero	1
Latin D	Six books of Vergil's Æneid (Ovid may be substituted in part)	1
Greek A	Elementary Grammar, Composition, and Translation	1
Greek B	Intermediate Grammar, Composition, and Translation	1
German A	Elementary Grammar, Composition, and Translation	1
German B	Intermediate Grammar, Composition, and Translation	1
French A	Elementary Grammar, Composition, and Translation	1
French B	Intermediate Grammar, Composition, and Translation	1
Spanish A	Elementary Grammar, Composition, and Translation	1
History A	Greek and Roman History	1
History B	Medieval and Modern History	1
History C	English History	1
History D	American History and Civil Government	1
Mathematics A	Algebra to Quadratics	1
Mathematics B	Algebra from Quadratics	0.5
Mathematics C	Plane Geometry	1
Mathematics D	Solid Geometry	0.5
Mathematics E	Plane Trigonometry	0.5
Science A	Physical Geography	1
Science B	Physics, with laboratory work	1
Science C	Chemistry, with laboratory work	1
Science D	Physiology	0.5
Science E	Zoölogy	0.5
Science F	Botany, with laboratory work	1
Science G	Mechanical Drawing	0.5
Science H	Agriculture, with laboratory work	1

SCOPE OF ENTRANCE UNITS

ENGLISH

For admission to the Freshman class, four units may be offered, of which three are required. A command of correct and clear English, spoken and written, is of supreme importance, and no student will be given entrance credit whose work shows marked deficiency in spelling, punctuation, grammar, sentence structure, or paragraphing. The requirements in each of the subjects accepted for entrance credit in English are as follows:

A. ADVANCED GRAMMAR AND ANALYSIS. (One unit.) The equivalent of one year of high school work in reviewing English grammar, including a detailed study of sentence structure, capitalization, and punctuation.

B. COMPOSITION AND RHETORIC. (One unit.) One year of high school work devoted to the study of the elements of composition and rhetoric, the essential principles governing punctuation, the use of words, sentence structure, and paragraphing; study of the different types of composition, including letter writing, and of the fundamental qualities of style. Much practice in composition, oral and written, is indispensable.

C. CRITICAL STUDY OF LITERATURE. (One unit.) The equivalent of one high school year in the critical reading and study of specimens of literature. It is recommended that selections be made from the list adopted by the joint committee of colleges and secondary schools as follows:

Two from each of the following groups:—

I. 1. Selections from the *Old Testament* (the chief narrative episodes in *Genesis, Exodus, Joshua, Judges, Samuel, Kings,* and *Daniel,* and the books of *Ruth* and *Esther*); 2. The *Odyssey.* (English translation), (Books I, II, III, IV, V, XV, XVI, XVII may be omitted); 3. The *Iliad* (English translation), Books XI, XIII, XIV, XV, XVII, XXI may be omitted); 4. Vergil's *Æneid* (English translation).

A unit from any other group may be substituted for any unit in this group.

II. 1. Shakespeare's *The Merchant of Venice;* 2. *A Midsummer Night's Dream;* 3. *As You Like It;* 4. *Twelfth Night;* 5. *Henry the Fifth;* 6. *Julius Cæsar.*

III. 1. Defoe's *Robinson Crusoe* (Part I); 2. Goldsmith's *The Vicar of Wakefield;* 3. Either Scott's *Ivanhoe* or *Quentin Durward;* 4. Hawthorne's *The House of Seven Gables;* 5. Either Dickens' *David Copperfield* or *A Tale of Two Cities;* 6. Thackeray's *Henry Esmond;* 7. Mrs. Gaskell's *Cranford;* 8. George Eliot's *Silas Marner;* 9. Stevenson's *Treasure Island.*

IV. 1. Bunyan's *The Pilgrim's Progress* (Part I); 2. *The Sir Roger de Coverley Papers* in *The Spectator;* 3. Franklin's *Autobiography;* 4. Irving's *Sketch Book;* 5. Macaulay's Essays on *Lord Clive* and *Warren Hastings;* 6. Thackeray's *English Humorists;* 7. Either Thoreau's *Walden* or Huxley's *Autobiography* and selections from *Lay Sermons,* including the addresses on *Improving Natural Knowledge, A Liberal Education,* and *A Piece of Chalk;* 8. Stevenson's *An Inland Voyage* and *Travels with a Donkey.*

V. 1. Palgrave's *Golden Treasury* (First Series), Books II and III, with especial attention to Dryden, Collins, Gray, Cowper, and Burns; 2. Gray's *An Elegy in a Country Churchyard* and Goldsmith's *The Deserted Village;* 3. Coleridge's *The Rime of the Ancient Mariner* and Lowell's *The Vision of Sir Launfal;* 4. Scott's *The Lady of the Lake;* 5. Byron's *Childe Harold,* Canto IV, and *The Prisoner of Chillon;* 6. Palgrave's *Golden Treasury* (First Series), Book IV, with especial attention to Wordsworth, Keats, and Shelley; 7. Poe's *The Raven,* Longfellow's *The Courtship of Miles Standish,* and Whittier's *Snow-Bound;* 8. Macaulay's *Lays of Ancient Rome* and Arnold's *Sohrab and Rustum;* 9. Tennyson's *Gareth and Lynette, Launcelot and Elaine,* and *The Passing of Arthur;* 10. Browning's *Cavalier Tunes, The Lost Leader, How They Brought the Good News from Ghent to Aix, Home Thoughts from Abroad, Home Thoughts from the Sea, Incident of the French Camp, Herve Riel, Pheidippides, My Last Duchess, Up at a Villa—Down in the City.*

D. HISTORY OF ENGLISH AND AMERICAN LITERATURE. (One unit.) The equivalent of one year of high school work in the study of the history of English and American literature. Special attention should be devoted to standard authors and to composition work on subjects assigned.

LATIN

LATIN A. (One unit.) This represents the completion of some standard elementary Latin book, such as Collar and Daniell's, Pearson's, or Hale's. There should be constant practice in pronunciation, the Roman method being used. A drill book, such as Lampe's, is almost a necessity in fixing forms. A grammar, such as Bennett's or Allen and Greenough's, is needed for reference.

LATIN B. (One unit.) This represents the reading of Cæsar's *Gallic War,* Books I-IV, or an equal amount of Sallust or Nepos, together with weekly drill in Latin Composition. There should be practice in reading Latin at sight. The grammars named above will serve for reference.

LATIN C. (One unit.) This represents the reading of six orations of Cicero; the four orations against Catiline, the oration *pro Archia,* and one other, and weekly drill in Latin Composition. There should also be practice in reading Latin at sight. The same grammars may be continued.

LATIN D. (One unit.) This represents the reading of the first six books of Vergil's *Æneid* (for parts of which an equal amount of Ovid may be substituted) with the weekly drill in composition continued, and practice in reading Latin at sight. Adequate attention must be given to quantity and versification, and there should be constant practice in metrical reading. The same grammars may be continued.

GREEK

GREEK A. (One unit.) The completion of any standard first Greek book with particular attention to the principal parts of verbs, indirect discourse, and the translation of sentences from English into Greek. Reading at sight should be practiced from the outset.

GREEK B. (One unit.) The completion in the same thorough manner of two books of Xenophon's *Anabasis,* the sentences for translation into Greek being based on portions of the *Anabasis* read. Attention should also be given to Greek geography and history.

GERMAN

GERMAN A. (One unit.) During the first year the work should comprise: (1) careful drill in pronunciation; (2) the memorizing and frequent repetition of easy colloquial sentences; (3) drill in the rudiments of grammar—that is, in the inflection of the articles, nouns, adjectives, pronouns, weak verbs, and the more common strong verbs; also in the use of the more frequent prepositions, the simpler use of the modal auxiliaries, and the elementary rules of syntax and word order; (4) abundant easy exercises to illustrate the principles of syntax; (5) the reading of 75 to 100 pages of graduated texts, with constant practice in translating into German easy variations of sentences selected from the reading lesson.

GERMAN B. (One unit.) During the second year the work should comprise: (1) the reading of from 200 to 300 pages of literature in the form of easy stories and plays; (2) accompanying practice, as before, in the translation into German of easy variations of sentences read; (3) continued drill in the rudiments of grammar, with the aim of enabling the pupil, first, to use his knowledge with facility in the formation of sentences, and, secondly, to express himself correctly in the technical language of grammar; (4) drill in word-formation with special reference to English-German cognates; (5) the memorizing of well-known passages of poetry and songs.

FRENCH

FRENCH A. (One unit.) During the first year the work should comprise: (1) careful drill in pronunciation; (2) the rudiments of grammar, including the inflection of the regular and of the more common irregular verbs, plural nouns, adjectives, participles, and pronouns; the order of words in a sentence and the elementary rules of syntax; (3) abundant easy exercises designed not only to fix in memory the forms and principles of grammar, but also to cultivate readiness in the reproduction of natural forms of expression; (4) the reading of from 100 to 150 duodecimo pages of graduated texts, with constant practice in trans-

lating into French easy variations of the sentences read; (5) writing French from dictation.

FRENCH B. (One unit.) During the second year the work should comprise: (1) the reading of from 250 to 400 pages of easy modern prose; (2) constant practice in translating into French variations upon the texts read; (3) continued drill in the rudiments of grammar, with constant application in the construction of sentences; (4) the attainment of mastery of the forms and uses of pronouns and all but the rare irregular verb forms and of the simpler uses of the conditional and subjunctive; (5) writing French from dictation.

SPANISH

SPANISH A. (One unit.) The equivalent of a year's work in an elementary book such as Giese's *First Spanish Book and Reader,* or in a grammar such as Edgren's combined with a book like Matzke's *First Spanish Readings.*

HISTORY

A. ANCIENT HISTORY. (One unit.) A short survey of prehistoric culture, and a study of the development of Egypt, the nations of the ancient orient, Greece and Rome. The history of Western Europe should be carried in this course to the time of Charlemagne. Myers', West's, or Webster's texts in Ancient history, or their equivalent.

B. MEDIEVAL AND MODERN HISTORY. (One unit.) The development of Western Europe from Charlemagne to the present age. The medieval church, the reformation, the rise of modern states, the French revolution, and the problems of the nineteenth century should be emphasized. Myers', West's, or Robinson's texts, or their equivalent.

C. ENGLISH HISTORY. (One unit.) In this course, emphasis may properly be placed on constitutional development, and on the points of contact between English and American history. Text by Coman and Kendall, Cheyney, Andrews, or their equivalent.

D. AMERICAN HISTORY AND CIVIL GOVERNMENT. (One unit.) One half of this unit may be given to United States

history and the other half to civics, or the two subjects may be combined throughout the year. Woodburn and Moran's manual adopts the latter plan. Suitable texts in American history are those by McLaughlin, Channing, Adams and Trent, or Stephenson. Suitable texts in civics are Fiske, James and Sanford, Hart's *Actual Government,* and Bryce's *American Commonwealth,* abridged and revised edition.

To provide an adequate historical foundation, it is essential that textbook work be supplemented by collateral reading, and that the student be trained in note-taking, in oral and written expression of thought, and in the study of maps. For further particulars on this subject see: College Entrance Requirements, Clarence D. Kingsley; A Study of History in Schools (Macmillan, 1899); A Study of History in Secondary Schools (Macmillan, 1911).

MATHEMATICS

A. ALGEBRA TO QUADRATICS. (One unit.) The four fundamental operations for rational algebraic expressions; factoring, determination of highest common factor and lowest common multiple by factoring; fractions, including complex fractions; ratio and proportion; linear equations, both numerical and literal, containing one or more unknown quantities; problems depending on linear equations; radicals, including the extraction of the square root of polynomials and numbers; exponents, including the fractional and negative.

B. ALGEBRA FROM QUADRATICS. (One-half unit.) Quadratic equations, both numerical and literal; simple cases of equations with one or more unknown quantities, that can be solved by the methods of linear or quadratic equations; problems depending upon quadratic equations; the binomial theorem for positive integral exponents; the formulas for the nth term and the sum of the terms of arithmetic and geometric progressions, with applications.

C. PLANE GEOMETRY. (One unit.) The usual theorems and constructions of good textbooks, including the general properties of plane rectilinear figures; the circles and the

measurement of angles; similar polygons; areas; regular polygons and the measurements of the circle. The solution of numerous original exercises, including loci problems. Applications to the mensuration of lines and plane surfaces.

D. SOLID GEOMETRY. (One-half unit.) The usual theorems and constructions of good textbooks, including the relations of planes and lines in space; the properties and measurement of prisms, pyramids, cylinders, and cones; the sphere and the spherical triangle. The solution of the numerous original exercises, including loci problems. Applications to the mensuration of surfaces and solids.

E. PLANE TRIGONOMETRY. (One-half unit.) Definitions and relations of the six trigonometric functions as ratios; circular measurement of angles; proofs of principal formulas; the transformation of trigonometric expressions by means of these formulas; the transformation of trigonometric equations of a simple character; theory and use of logarithms; the solution of right and oblique triangles with practical applications.

SCIENCE

A. PHYSICAL GEOGRAPHY. (One unit.) A year's study of any standard textbook such as Fairbanks, or the equivalent.

B. PHYSICS. (One unit.) A course such as is contained in any standard textbook together with laboratory work. The student's laboratory notebook should be presented, otherwise credit for one-half unit only will be given.

C. CHEMISTRY. (One unit.) A course such as is contained in any standard textbook together with laboratory work. The student's laboratory notebook should be presented, otherwise credit for one-half unit only will be given.

D. PHYSIOLOGY. (One-half unit.) The study of some standard textbook in connection with charts and models; the fundamental principles of the anatomy, physiology, and hygiene of the human body.

E. ZOÖLOGY. (One-half unit.) The study of any standard textbook, including the phyla and principal classes of animals; the principal facts of reproduction, sexual and asexual; the general facts in the embryology of a frog or a bird; the principal facts of evolution.

F. BOTANY. (One unit.) A course such as is contained in any standard textbook together with laboratory work. The student's laboratory notebook should be presented, otherwise credit for one-half unit only will be given.

G. MECHANICAL DRAWING. (One-half unit.) The student should present a full statement of the character and amount of the work he has done with proper certification by his teacher.

H. AGRICULTURE. (One unit.) The equivalent of a year's work in agriculture as given in an accredited high school. At least one-half of the time should be devoted to laboratory work.

COURSES OF STUDY

COURSES LEADING TO DEGREES

The College offers two regular courses of study leading, respectively, to the degrees of Bachelor of Arts and Bachelor of Science. The differentiation of these two courses, which begins with the entrance requirements, is continued throughout the college work, and, while the essentials of a liberal arts course are preserved in each of them, there is sufficient freedom of election to permit the student to secure special preparation in the direction of his life work. The detailed statement will be found under the head of "Requirements for Degrees."

Courses leading to the degree of Master of Arts are offered in either resident or non-resident work. The detailed statement of the conditions will be found under the head of "Requirements for Degrees."

COURSES NOT LEADING TO DEGREES

Long experience has convinced the faculty that a regular course of study for graduation has advantages over any special or select course. The faculty advise, therefore, that students make their classification regular, even when they do not expect to graduate. Should they afterward decide to complete the course, they will not have to regret, as special-course students often do, that a study required for graduation has been entirely neglected. Besides, it must be remembered that special-course students often spend time and money enough to graduate, if they had taken a regular course on entering college.

To those, however, who are not candidates for degrees or who are not prepared for the Freshman class, the College offers advantages in the following courses:

SPECIAL COURSES

In special cases, a student of mature age who is not a candidate for a degree may be permitted to elect courses in

any of the departments of the College with the approval of the faculty; provided that he is not admitted to classes for which entrance examinations are required unless he passes such examinations, and that he gives proof of adequate preparation for the course sought.

DEPARTMENT OF COMMERCE

Roanoke College has had for many years a Commercial Department. For the Session of 1921-1922 this will be expanded into a Department of Commerce and Finance. The courses that have hitherto been given in the Commercial Department will be retained and in addition courses will be offered in secretarial work, in accounting, and in business finance. The purpose of this department is to train men for large business enterprises and to equip them to fill with credit and success the many positions of responsibility in the business world which the present times offer. Partial information as to these courses will be found under the catalogue heading "Departments of Instruction." More complete facts may be had by addressing special inquiries to the Secretary of the College.

REQUIREMENTS FOR DEGREES

BACHELOR OF ARTS AND BACHELOR OF SCIENCE

The requirement for degrees is stated in terms of the "semester hour" as the unit. The semester hour is the equivalent of one hour of recitation or lecture, or two hours of laboratory work, per week, for eighteen weeks.

The distribution of the required and elective work prescribed for the degrees of A. B. and B. S., respectively, is as follows:

A. B.

SUBJECTS	SEMESTER HOURS
English (Three courses)	18
Public Speaking	2
Latin	6
Latin 6, Greek 6, German 6, French 6, Spanish 6 (3 courses)	18
History	6
Economics	6
Philosophy	12
Bible	6
Mathematics	6
Physics 10, Chemistry 10, Biology 10	20
Elective	30

B. S.

SUBJECTS	SEMESTER HOURS
English (Two courses)	12
Public Speaking	2
Latin 6, Greek 6, German 6, French 6, Spanish 6 (3 courses)	18
History	6
Economics	6
Philosophy	12
Bible	6
Mathematics	6
Physics	10
Chemistry	10
Biology	10
Physics, Chemistry, Biology, Mathematics	6
Elective	30

The first year of foreign language in the College is required in each of two of those submitted for admission, and the candidate for either the A. B. or the B. S. degree must have had at least two college years in one foreign language.

The last or Senior year's work must be done in residence.

The distribution of the required and elective work through the four years is as follows:

A. B.		B. S.	
	Freshman		
	HOURS PER WEEK REC. LAB.		HOURS PER WEEK REC. LAB.
English 1	3	English 1	3
Latin 1	3	Biol. 1 or Chem. 1	3+4
History 1	3	History 1	3
Bible 1	1	Bible 1	1
Mathematics 1	3	Mathematics 1	3
Foreign Language	3	Foreign Language	3
	16		16+4
	Sophomore		
English 2	3	English 2	3
Public Speaking	1	Public Speaking	1
Biol. 1 or Chem. 1	3+4	Chem. or Biol.	3+4
Bible 2	2	Bible 2	2
Foreign Language	3	Foreign Language	3
Elective	3	Elective	3
	15+4		15+4
	Junior		
English 3	3	Physics 1	3+4
Economics 1	3	Economics 1	3
Philosophy 1	3	Philosophy 1	3
Elective	6+4	Elective	6
	15+4		15+4
	Senior		
Philosophy 3	3	Philosophy 3	3
Elective	12	Elective	12
	15		15

The length of the college hour is sixty minutes.

MASTER OF ARTS

A student who has the degree of Bachelor of Arts of Roanoke College, or of any standard college, may become a candidate for the Master's degree. The applicant must complete satisfactorily four courses of study, representing at least three departments. Two of these courses, which shall constitute the major subject, must be in the same department, or closely related departments, and must be supplemented by collateral work to the extent of one hour each per week. The work in the major subject must be distinctly graduate in character, and a thesis will be required on a subject assigned. Any undergraduate electives of grade not lower than Junior may be offered as minor courses. The course of study must be approved by a committee of the faculty. A grade of not less than 80 in any subject, with a general average of at least 85, is required. The candidate is required to submit to the head of the department of his major subject an outline of his thesis by March 1, and the completed thesis by April 15.

The degree of Master of Arts may be conferred upon non-resident students also. Two years of study in one major and two minor subjects, representing at least three different departments, are required, together with a thesis on a theme connected with the major subject. A major shall represent approximately the equivalent of eighteen semester hours of work, and each minor, nine semester hours. The eligibility of the applicant and the general plan of his studies must be approved by the faculty. The details of the outlining and the arrangement of courses will be referred to the departments concerned, and the work must be pursued under the constant personal direction of the heads of those departments. At least two examinations in each subject are required, the examinations to be taken at the college at proper intervals. Graduates of Roanoke College, or of any standard college, are eligible for the degree under these conditions. The fees are $10 for each year of study, payable $5 each semester in advance, together with a diploma fee of $5.

DEPARTMENTS OF INSTRUCTION

The Departments of Instruction as here arranged present in convenient form the aims and methods of instruction and the subjects studied. Large classes are divided into sections in order to insure thorough instruction.

Unless otherwise stated, the courses described below run throughout the college year.

ENGLISH

PROFESSOR MOREHEAD

The faculty are impressed with the pre-eminent importance of a thorough study of English. It is borne in mind that the student's mother tongue should claim the first place in any system of education; that not only are the youth of our country destined to employ the English language almost exclusively for practical purposes, but that it is also to serve in large measure as the medium of their culture; that their future literary studies will, in most cases, be confined to the great works of their own tongue; and that a mastery of that tongue is the highest literary attainment.

Two objects are kept steadily in view: first, to aid the student in acquiring a ready and correct use of English; second, to cultivate a taste and love for good literature by the study of standard authors. Due attention also is given to the subject of historical grammar and to the theoretical study of the language according to modern methods. The resources of the library are brought into requisition, and an effort is made to accustom the student to the use of books and to familiarize him with modern methods of research.

1. **Advanced Rhetoric and Composition.**—Types of Prose Literature. Required for Freshmen. *Three hours a week.*

2. **Literary Criticism.**—Types of English Poetry. Required for Sophomores. *Three hours a week.*

3. **Elizabethan Literature; Victorian Literature.**—Required for Juniors in the A. B. course. *Three hours a week.*

4a. **The English Novel.**—Elective. First semester. *Three hours a week.*

4b. **The English Drama.**—Elective. Second semester. *Three hours a week.*

5a. **The English Romantic Movement.**—Poetry. Elective. First semester. *Three hours a week.*

5b. **The English Romantic Movement.**—Prose. Elective. Second semester. *Three hours a week.*

6a. **Old English.**—Beowulf. Elective. First semester. *Three hours a week.*

6b. **Middle English.**—Chaucer and his school. Elective. *Three hours a week.*

English **5** and **6** are given in alternate years.

LATIN

PROFESSOR WAGENER

The objects toward which instruction in this department is directed are a competent reading knowledge of the language and an intelligent appreciation of its literature. The character and extent of the dependence of English upon Latin are properly emphasized and the effort is made to relate the literature and thought of the Romans to modern interests.

In Latin 2, by means of lectures and the study of texts, a general survey of the history of Roman Literature is given; while in Latin 3 and 4, a special study is made of certain departments. Stress is laid in each course upon the reading of Latin at sight.

1. a. **Livy.**—Book I, with selections from the later books; or selected passages from Roman historians. A study of the founding and growth of Rome, of her history and institutions. Prose Composition. *Three hours a week. First semester.*

   b. **Vergil,** *Æneid* and **Horace,** *Odes, Book I.*—A study of meters, of Greek and Roman mythology, and of the influence of the Roman poets upon English literature. Prose Composition. *Three hours a week. Second semester.*
   Required for Freshmen in the A. B. course.

2. a. **Pliny's** *Letters* and **Tacitus,** *Agricola* or *Germania. Three hours a week. First semester.*

   b. **Selections from Latin Poets.**—Especial attention is given to Catullus, Tibullus, Propertius, and Ovid. *Three hours a week. Second semester.*

   Parallel Reading.—Cicero, De Senectute or De Amicitia. The history of Roman Literature is studied throughout the year. Elective. Prerequisite, Latin 1 or the equivalent.

3. **Satire and History.**—Horace, *Satires and Epistles;* Juvenal; Tacitus, *Annals;* Suetonius, *Life of Augustus.* Parallel reading: Martial, *Epigrams;* additional selections from Horace and Tacitus. Elective. Prerequisite, Latin 2 or the equivalent. *Three hours a week.*

4. **Drama and Philosophy.**—Plautus, *Captivi;* Terence, *Andria;* Cicero, *De Officiis;* Seneca's *Essays and Letters.* Parallel reading: Terence, *Phormio;* Cicero, *First Tusculan.* Elective. Prerequisite, Latin 2 or the equivalent. *Three hours a week.*

   Latin **3** and **4** are given in alternate years.

5. **Roman Public and Private Life.**—A course of general value on Roman topography, institutions, art, and private life. Lectures, parallel reading, and reports. Elective. *One semester. Three hours a week.*

6. **Latin Composition.**—A thorough review of Latin forms and syntax, and a study of advanced prose composition. Intended primarily for those who expect to become teachers of Latin. Elective. *One semester. Three hours a week.*

GREEK

PROFESSOR WAGENER

The instruction in this department has mainly in view: first, a knowledge of the Greek language with an appreciation of its rare excellence as a means for the expression of ideas; and secondly, an acquaintance with Greek literature and thought. In the furtherance of the latter object, work in the original is supplemented by extensive use of the best translations. The study of Greek history and life is introduced into each course. Greek art is included in the course in Fine Arts. The work in New Testament Greek is intended, not only as an introduction to the work of the Theological Seminary, but also for the lay-

man, as a stimulus to the more general reading of the New Testament in the original language. The Greek elements in English also receive due consideration.

1. **Elementary Greek.**—A course in forms, syntax, and translation for beginners. A portion of Xenophon, *Anabasis*, Book 1 is read during the second semester. *Four hours a week.*

2. **Xenophon and Homer.**—Portions of the *Anabasis* or the *Cyropaedia* and one or more books of the *Iliad* are read. Syntax and prose composition throughout the year. Parallel reading from translations. Prerequisite, Greek 1 or the equivalent. *Three hours a week.*

3. **Philosophy, History, and New Testament.**—Plato, *Apology*, *Crito*, and *Phaedo;* Thucydides, Book VII. A study of the departments concerned, together with parallel reading from translations. During the last two months of the session, one of the Gospels will be read and studied critically. Prerequisite, Greek 2 or the equivalent. *Three hours a week.*

4. **Drama and New Testament.**—Sophocles, *Oedipus Tyrannus*; Euripides, *Medea;* Aristophanes, *Clouds.* A study of the Greek drama, together with parallel reading from translations. During the last two months of the session, one of the Gospels will be read and studied critically. Prerequisite, Greek 2 or the equivalent. *Three hours a week.*

5. **Oratory and New Testament.**—Lysias, selected speeches; Demosthenes, *On the Crown.* Additional speeches are read in translation. During the last two months of the session, one of the Gospels will be read and studied critically. Prerequisite, Greek 2 or the equivalent. *Three hours a week.*

Of Courses **3, 4,** and **5,** one will be given each year in accordance with the requirements of the class.

FINE ARTS

PROFESSOR WAGENER

1. **History and Appreciation of Architecture, Sculpture, and Painting.**—The development of Western art including architecture, sculpture, and painting will be traced historically and a basis given for intelligent artistic appreciation. Greek, Roman, medieval, and modern art are included in this course. Illustrated lectures, recitations, and papers. Elective for Seniors. *Three hours a week for one semester.*

MODERN LANGUAGES

PROFESSOR SCHUMACHER
PROFESSOR VOIGT

In the instruction in German and French, two objects are held steadily in view: first, the ability to read and write the language with accuracy and facility and to acquire such knowledge of the spoken tongue as may be feasible in the allotted time; second, the use of these languages as a means of intellectual discipline and general literary culture. In addition, therefore, to the command of a German or a French vocabulary, emphasis is laid upon the main facts of the history, the literature, and the life of the two peoples.

French accent is taught according to the phonetic system.

In the case of students who are not candidates for degrees, the attempt is made to supply through the study of modern foreign languages a general philological and literary training.

The courses in Spanish have both a cultural and a practical aim, offering, on the one hand, the groundwork for a knowledge of Spanish on its literary side and, on the other, such a command of the language as may fairly serve the traveler or the man of business.

GERMAN

PROFESSOR VOIGT

1. **Intermediate German.**—Reading of suitable texts; composition; oral work; vocabulary building; grammar; parallel reading. Prerequisite, one unit of German. *Three hours a week.*
2. **Classical Authors.**—Lessing, Schiller, Goethe. Composition. Parallel reading. Oral work. Literary history of the period. *Three hours a week.*
3. **Early Nineteenth Century Readings.**—Kleist, Grillparzer, Hebbel, Heine, Uhland. Composition. Oral work. Parallel reading. Literary history of the period. *Three hours a week.*
4. **Scientific German.** Reading of scientific matter; composition; vocabulary building; parallel reading; study of chief German scientists—their contribution to scientific knowledge. *Three hours a week.*

Of Courses **2, 3,** and **4,** only one will be given in 1921-22.

FRENCH

PROFESSOR SCHUMACHER

1. **Intermediate French.**—Review of French Grammar; the reading of about 500 pages of fiction and modern prose drama; composition and conversation based on appropriate prose extracts; exercises in pronunciation and dictation; private reading. Prerequisite, one unit of French. *Three hours a week.*

2. **Classical French Drama.**—Corneille, Racine, and Moliere. Literary history of the period. Composition and conversation based on appropriate prose extracts. *Three hours a week.*

3. **French Novel.**—Balzac, Dumas, Hugo, France, and Zola. Literary history of the period. Composition and conversation based on appropriate prose extracts. *Three hours a week.*

4. **French Short Story and Modern Drama.**—Maupassant, Daudet, Merimee, Rostand, Maeterlinck. Literary history of the period. Composition and conversation based on appropriate prose extracts. *Three hours a week.*

French **2, 3,** and **4** are given in successive years.

SPANISH

PROFESSOR SCHUMACHER

1. **Grammar,** oral and written composition, conversation. Translation of easy prose. Prerequisite, one unit of Spanish or two units of one other foreign language. *Four hours a week.*

2. **A Reading Course** in texts illustrating the history and literature of the South American Republics. Composition, commercial correspondence, and definite work in conversation based on a direct method text. *Three hours a week.*

3. **Modern Readings.**—Alarcon, Echegaray, Galdos, Valera, Pardo Bazan, Valdes; oral and written composition; conversation. *Three hours a week.*

Spanish **2** and **3** are given in alternate years.

HISTORY AND SOCIAL SCIENCE

PROFESSOR BROWN
PROFESSOR FOX

The courses in this department cover European, English, and American history and the related subjects of political science, economics, and sociology. The serious student is aided in the attainment of a perspective through which to view modern problems, and is trained in that critical insight which is characteristic of the historical point of view. To this end emphasis is placed upon the problems rather than merely upon the events of the past, and the exercise of the memory is subordinated to the stimulation of rational judgment. Considerable attention is given to constitutional and political problems and the attempt is made to avoid the common mistake of ignoring contemporary history. Collateral reading is required in all the classes; class discussion is given more prominence than lectures, and independent work is encouraged. Oral reports by students and substantial papers on topics of original investigation are important features of the advanced courses.

HISTORY

1. **Medieval and Modern Europe.** A general survey of European history from the disintegration of the Roman Empire to the present time. The main points in English history are included. Prerequisite, Ancient history. Freshmen are required to take either History 1 or History 2. *Three hours a week.*

2. **United States History.**—The history of the American nation from the period of discovery to the present time. Reference work required. Elective for Sophomores and Juniors. *Three hours a week.*

3. **English History.** An advanced study of English history, beginning with the Tudor dynasty and extending through the reign of George III. Elective for Juniors and Seniors. Prerequisite, History 1. *Three hours a week. One semester.*

POLITICAL SCIENCE

1. **Comparative Free Government.**—This course seeks to do two things: to set forth the problem of government as a problem; and to show how the leading states of the world have in practice met it. Elective for Juniors and Seniors. Prerequisite, History 1 and Political Science 1 or its equivalent. *Three hours a week.*

2. **International Law.**—A study of the development of international law and diplomacy, beginning with Hugo Grotius and extending to the present time. Elective for Juniors and Seniors. Prerequisite, History 1, Political Science 1, or equivalent. *Three hours a week. One semester.*

History 3 and Political Science 2 are given alternately with Political Science 1.

ECONOMICS

The courses in economics are planned so as to allow three years of continuous work, beginning with the course in the elements, which is required for all Sophomores. The elective courses, Economics 2 and 3, are given in alternate years, and are subdivided into definite subjects by semesters, so that the student wishing to specialize in economics, or to pursue the subject further in graduate work, can secure an adequate preparation in a variety of economic problems. A logical sequence of courses is sought, as well as a fairly complete survey of the field of economic inquiry. In the advanced courses, the student is encouraged to do considerable original work in investigating and reporting upon assigned topics, and to this end he is made familiar with the materials and methods of economic study.

1. **Principles of Economics.**—The fundamental problems of production, distribution, and consumption; value, money, exchange, and the relation of the state to industry. Required of all Juniors. *Three hours a week.*

2a. **Economic History of the United States.**—A study of the industrial, commercial, and agricultural development of the United States with emphasis upon current economic problems. *Three hours a week. First semester.*

2b. **Labor Conditions and Problems.**—An investigation into the history and methods of trade unionism and other significant labor movements and an analysis of contemporary phases of the labor question. Elective for Juniors and Seniors. Prerequisite, Economics 1. *Three hours a week. Second semester.*

Economics 2a and 2b are electives for Juniors and Seniors.

3a. **Money and Banking.**—Monetary principles are examined in some detail, the financial history of the United States is briefly surveyed, and the theory and practice of banking are treated. *Three hours a week. First semester.*

3b. Taxation and Public Finance.—An inquiry, both theoretical and practical, into the essential problems of governmental expenditures, taxation, budgetary legislation, and public credit. Elective for Juniors and Seniors. Prerequisite, Economics 1. *Three hours a week. Second semester.*

Economics 2 and 3 are given in alternate years.

SOCIOLOGY

1. The Elements of Sociology.—*Three hours a week. One semester.*

PHILOSOPHY

PROFESSOR FOX

The aim of this department is to lead the student to profound and independent thought. The spirit pervading the courses is philosophical. The work is commenced with the study of psychology, to which the first year is devoted. The student is drilled in the fundamental principles of all knowledge, taught how to study his consciousness by both introspective and objective methods, and thus equipped he is led to the investigation of various systems of philosophy and ethics. Christian Apologetics include Natural Theology, Christian Evidences, and the Evidence of a Future Life. The study in Natural Theology and in the Evidence of a Future Life is philosophic; in Christian Evidences, historical and critical. The student is brought to a clear and practical knowledge of the grounds upon which faith in our religion rests.

In the study of the History of Philosophy something more is sought than a mere acquaintance with the philosophic systems of the past. The student is brought by criticisms of errors to reach a true conception of the meaning of the universe.

1. **Psychology.**—Textbook and lectures. Required for Juniors. *Three hours a week.*

2. **History of Philosophy.**—Elective for Seniors. *Three hours a week.*

3. **Evidences of Christianity and Ethics.**—Textbook and lectures. Required for Seniors. *Three hours a week.*

ENGLISH BIBLE

PROFESSOR FOX

In the Freshman and Sophomore classes the study of the English Bible is pursued throughout the year as a part of the prescribed work for graduation.

1. **The Life of Christ.**—The Gospel according to St. Luke is the basis of this course. Required for Freshmen. *One hour a week.*

2. **New and Old Testament History.**—The Acts of the Apostles is the main basis of this course. There is also a special study of the Epistle to the Hebrews. Required for Sophomores. *Two hours a week.*

MATHEMATICS AND ASTRONOMY

PROFESSOR CARPENTER

It is recognized in the general work of this department that its various courses are to cultivate in the student habits of systematic and accurate thinking, as well as to furnish knowledge needed in handling practical problems that may arise in his college work and in his future career. Such habits together with this knowledge, it is believed, will tend to bear fruit in the neatness, carefulness, and precision in the work and life of the thorough student.

Independent effort is always encouraged, and original solutions and demonstrations form an important part of each course. The student is introduced, according to his ability, to mathematical works beyond those of the course and to present-day work and workers in this department.

MATHEMATICS

1a. **Solid Geometry.**—Required for Freshmen. *Three hours a week. First semester.*

1b. **Plane Trigonometry.**—A mastery of the properties and relations of the six trigonometric functions and of the principal formulas necessary for the solution of triangles; the theory and use of logarithms. Required for Freshmen. *Three hours a week. Second semester.*

2. **Elementary Mathematical Analysis.**—The chief aim of this course is to introduce the student into analytic methods and processes of thought. The concept of functionality is the central idea of the course. Free use is made of the notion of a derivative. The course includes a study of linear, quadratic, and cubic functions, theory of equations, partial fractions, permutations, combinations, probability, and determinants. Elective. Prerequisite, the equivalent of Mathematics 1. *Three hours a week.*

3a. **Differential Calculus.**—Elective.—*Three hours a week. First semester.*

3b. **Analytic Geometry.**—The geometry of the line and circle. The general equation of the second degree. Cartesian coördinates. Elective. *Three hours a week. Second semester.*

4a. **Coördinate Geometry.**—Cartesian and polar coördinates. Parametric representation. Conic Sections. Geometry of space. Elective. *Three hours a week. First semester.*

4b. **Integral Calculus.**—Elective. *Three hours a week. Second semester.*

22. **Plane Surveying.**—The elements of Plane Surveying, including field work, computation of areas by latitudes and departures, mapping, lettering. Leveling. Elective. Prerequisite, trigonometry. *Three hours a week. Second semester.*

ASTRONOMY

1. **Descriptive Astronomy.**—Elective for Juniors and Seniors. Prerequisite, Mathematics 1 or the equivalent. *Three hours a week. First semester.*

BIOLOGY

PROFESSOR PEERY

The work of this department aims to give to all students useful knowledge of general cultural value, and to give necessary preparation to those desiring advanced work in professional schools or universities. The method of instruction combines lectures, demonstration, references to various standard works, study of textbooks, recitations, and laboratory and field work.

1a. **Animal Biology.**—This course consists not merely in the study of type forms, but deals primarily with the fundamental principles of biology as related to animals. It takes up such questions as physiology of cells, physiology of organs, reproduction, breeding habits of animals, embryology, genetics, and evolution. Textbook, Shull's Principles of Animal Biology. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. First semester.*

1b. Plant Biology.—This course is limited primarily to the morphology, physiology, and economics of seed plants. However, the fundamental principles of biology underlying all plant life are kept constantly in view. In the latter part of this course sufficient work is done in plant classification to enable the student to become familiar with some of the more common plants and with the use of manuals. Textbook, Ganong's Botany for Colleges. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. Second semester.*

2. General Zoölogy.—A survey of the whole field of zoölogy. The different types of animals are studied in order that a clear understanding may be had of their comparative anatomy, their physiology, and their relation to man. Textbook, Hegner's College Zoölogy. Prerequisite, Courses 1a and 1b. Fee, $10; breakage extra. *Class work, three hours a week; laboratory, four hours a week.*

3a. Cryptogamic Botany.—A study of the morphology, physiology, evolution, and taxonomy of the Thallophytes, Bryophytes and Pteridophytes. Prerequisite, Courses 1a and 1b. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. First semester.*

3b. Advanced Physiology.—Intended for those students who desire a more thorough knowledge of the human body, and particularly for students intending to study medicine. Prerequisite, Courses 1a and 1b. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. Second semester.*

Course 2 and Courses 3a and 3b are given in alternate years.

4a. General Bacteriology.—This course is intended primarily for the student who has medicine in view, although it should be valuable to the general student since it has no special reference to any particular application. It deals with the structure, development, distribution, and properties of bacteria and their relation to animal and plant life. Prerequisite, Courses 1a, 1b, and 2. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. First semester.*

4b. Vertebrate Embryology.—A study of the development of the frog, the chick, and the pig. The course should be taken by all students preparing for medicine. Prerequisite, Courses 1a, 1b, and 2. Fee, $5; breakage extra. *Class work, three hours a week; laboratory, four hours a week. Second semester.*

GEOLOGY

PROFESSOR DOUB

The course in geology is designed not only to give a general knowledge of the science, but to serve as a founda-

tion for those who may desire to pursue the subject farther. The effort is made to acquaint the student with the underlying principles and main facts of the science by means of lectures, recitations, and observations in the field. Advantage is taken of the fact that this section of country offers to the student unusual opportunities for the study of dynamic, structural, and historical geology.

1. **General Geology.**—Elective for Seniors. *Three hours a week.*

CHEMISTRY

PROFESSOR JOHNSON
MR. SMITH
MR. KINSEY

The facilities offered by this department are developed to meet various requirements. Class and laboratory sections are formed for chemical, liberal arts, engineering, and pre-medical students. The instruction given in the four year chemist's schedule is general, rather than adapted to any line of industrial chemistry, for experience has shown that thorough general training during the first few years of chemical study is best. Practical experience necessary for proficiency in industry can be obtained only by direct connection with that industry; but high proficiency in industrial chemistry is seldom attained except by those having a broad preliminary training.

An arrangement has been made through the courtesy of the owners of tanning, sulphuric acid, textile, iron and steel, glass, pottery, and other industries, whereby practical instruction may be given.

Pre-medical and chemical engineering students should elect chemistry in their Freshman year.

Graduate courses and facilities for research are provided for those students pursuing the course leading to the degree of Master of Arts.

Laboratory Fees in Chemistry: $6.50 a semester for each course, $15 a semester for graduate students majoring in chemistry. Apparatus broken and excessive amounts of chemicals used by the student are also charged to him. The general breakage deposit of $5 is returned to the student at the end of the session, minus breakage charges; but in any case the total amount of breakage must be paid by the student.

1. **General and Inorganic.**—Required of chemical and pre-medical students. Text: College Chemistry, McPherson and Henderson or Alexander Smith. Qualitative Analysis, Johnson's Manual, during the last 8 weeks. *Class work, three hours a week; laboratory, five hours a week.*

2. **Qualitative Analysis.**—Text: Johnson or Noyes. *Six weeks.*
   Volumetric Analysis.—Text: Johnson; Allen. *Eighteen weeks.*
   Gravimetric Analysis.—Text: Mahin. *Twelve weeks.*
   Required of chemical and pre-medical students. *Class work, two hours a week; laboratory, six hours a week.*

3. **Organic Chemistry.**—Text: West or Norris. *Twenty-four weeks.*
   Physical Chemistry.—Text: Lincoln. *Twelve weeks.*
   Required of chemical and pre-medical students. *Class work, three hours a week; laboratory, five hours a week.*

4. **Quantitative Analysis.**—Texts: Scott and others, bulletins and technical problems. *Seminar, one hour a week; laboratory, eight hours a week.*

5. **General Theoretical and Physical Chemistry.**—Text: Lincoln or Walker. *Lectures, three hours a week, one semester; laboratory, four hours a week, two semesters.*
   This course is offered in even years, e. g., 1921-22.

6. **Colloid Chemistry.**—Text: Bancroft. *Lectures, three hours a week, one semester; laboratory, four hours a week, two semesters.*
   This course is offered in odd years, e. g., 1922-23.

7. **Chemical Engineering.**—Text: Rogers. *Lectures and reports, three hours a week, one semester.*

8. **Advanced Quantitative Analysis.**—The following subjects may be elected for the number of semester hours indicated. The total credit for one year shall not exceed twelve semester hours. No credit will be given for less than six semester hours or 204 laboratory hours.

   a. **Electro-Analysis,** *four hours.*
   b. **Micro-Analysis,** *four hours.*
   c. **Organic Analysis,** *three hours.*
   d. **Food Analysis,** *three hours.*
   e. **Water Analysis,** *four hours.*
   f. **Milk and Milk Products,** *two hours.*
   g. **Iron and Steel,** *three hours.*
   h. **Soils and Fertilizers,** *four hours.*
   i. **Analysis of Other Materials,** subject to approval.

Prerequisite, Courses 1, 2, and 4.

In order to receive college credit for this course the student must work in the laboratory a minimum of 408 hours distributed over a period of thirty-four weeks.

PHYSICS

PROFESSOR DOUB

The effort is made to have the student clearly develop and fix in mind the fundamental laws and principles of physical science, not only for practical and cultural purposes, but as the ground work for further study in any pure science, engineering, medicine, or as a preparation for teaching.

1. **The General Principles of Physics.**—A course in the general principles of physics, embracing mechanics, heat, sound, light, electricity, and magnetism. Prerequisite, Trigonometry. Laboratory fee, $5. Elective. *Class work, three hours a week; laboratory, four hours a week.*

2. **Advanced Physics.**—An advanced course in selected topics, including a brief course in radio communication. Laboratory fee, $5. Elective. Prerequisite, Physics 1. *Class work, three hours a week; laboratory, four hours a week.*

EDUCATION

PROFESSOR SMITH

DR. KOLMER

Ever since its foundation the College has taken an interest in popular education. From year to year a large number of its students and graduates have taken up the vocation of teaching.

The chief aims of the department are to give instruction in the principles and administration of secondary education, methods of teaching, educational measurements, and health responsibilities.

1. **Supervision and Administration of High Schools.**
   Methods of Teaching in High Schools.
   Educational Measurements.

These courses are designed (1) to acquaint students with recognized authority on questions pertaining to primary and secondary education, (2) to give practical assistance to those expecting to become superintendents, principals, and teachers. The method of instruction consists of lectures, textbook and parallel reading assignments, student reports and discussions, and practical demonstrations of educational measurements.

School Hygiene.—This course consists of instruction in physical defects and their control, physical education, personal hygiene, contagious diseases and their control, first aid to the injured, the ideal health staff, health of the teacher, community health, and care of the school plant, and is given in accordance with the requirements of the West Bill as prescribed by the State Board of Education and approved by the State Board of Health. The course embraces illustrated lectures, assignments, quizzes, and practical tests. *Three hours a week. One semester.*

PUBLIC SPEAKING

PROFESSOR VOIGT

In this class an effort is made in the Sophomore year to supply that fundamental training in reading and speaking which every educated man needs. The fundamental principles of good expression in conversation, reading, declaiming, and public speaking are taught, and much individual drill is afforded in gesture, manner of delivery, quality of voice, proper breathing, enunciation, pronunciation, etc. The more common errors in delivery are thoroughly considered, and the most important defects of each member of the class are corrected as far as possible. During the second half of the year individual drill is given in extemporaneous delivery, every student being required to deliver an extemporaneous exercise every week. The final examination consists in part of an extemporaneous exercise on a subject assigned in the examination room. *One hour a week.*

PHYSICAL TRAINING

MR. CHAPMAN

The new gymnasium affords excellent opportunities for systematic physical development. All students are advised to take regular exercise in gymnastics, outdoor sports,

walks, etc. Vigorous young men, especially those accustomed to active outdoor life in the country, will find it important in the preservation of their health to take judicious exercise regularly while they accustom themselves to the new conditions of college life.

Work in regular gymnasium classes is required two hours a week of all students not physically disqualified, who rank as Sophomores or lower. Similar work is optional in the case of other students. Students who are members of any athletic team of the College are excused from attendance upon gymnasium classes during the time they are engaged in active practice. The gymnasium fee is paid by all.

COMMERCIAL COURSES

PROFESSOR MANN

The Commercial Department is designed to meet the wants of that large class of young men who wish to carry forward their literary studies and at the same time prepare themselves thoroughly for business pursuits. It is also suited to those who wish to prepare for business in a short time, and who desire, during such preparation, to enjoy the literary advantages of a college; such as a large library, a good reading room, and excellent literary societies. All students in this department are advised to enter regular college classes in English.

Students in the Commercial Department pay the same fees as are paid by those in the college classes, and have the privilege of attending any of those classes without extra charge. The Commercial Courses are open, also, without extra charge to students in any of the college classes.

Students taking the full A. B. or B. S. course as a preparation for business life are strongly advised to take the courses in bookkeeping and commercial law.

THE BOOKKEEPING COURSE

1a. **Bookkeeping, Elementary.**—Double entry through the ordinary journal, ledger, trial balance, and statement. Required. *One semester, five hours a week.*

1b. **Bookkeeping, Advanced.**—Extended practice with more complex books and forms used in modern offices. Required. *One semester, five hours a week.*

2. **Commercial Law.**—A general survey of common law practice; special emphasis on contracts, agencies, and negotiable instruments. Required. *One semester, two hours a week.*

3a. **Business Correspondence.**—The technique of a business letter, correspondence on assigned themes developed from actual business letters, critical analysis of letters submitted, class discussion. Required. *One semester, one hour a week.*

3b. **Business Methods.**—A course in the business methods, customs, and practices of to-day. *One semester, one hour a week.*

4. **Penmanship.**—A logical presentation of the subject of muscular movement penmanship. A great variety of movement exercises are introduced to develop letters and words. Drills in speed and endurance. Technical and descriptive analysis of letters. Required. *One semester, three hours a week.*

5. **Commercial Arithmetic.**—This course embraces everything required in any mercantile business; also, banking, insurance, custom house methods, stocks and bonds, investments, taxes, etc. Special attention is given to rapid addition. Required. *Two semesters, four hours a week.*

THE SHORTHAND AND TYPEWRITING COURSE

1a. **Shorthand, Elementary.**—A study of principles as laid down in the Graham system. Required. *One semester, five hours a week.*

1b. **Shorthand, Advanced.**—Review of principles, graduated dictation, a complete course in office training. Required. *One semester, five hours a week.*

2. **Typewriting.**—The psychology of touch typewriting, dictation from keyboard charts, conception of form, finger drills, exercises graduated from groups of letters and fingers to sentences and simple speed drills, accuracy and uniformity of touch emphasized, dictation to the machine, business and legal forms, general office correspondence. Required. *Two semesters, five hours a week.*

3. **Spelling.**—Required. *Two semesters, two hours a week.*

A fee of $10 a year is charged for the use of typewriters.

Certificates will be granted students completing either the Bookkeeping Course or the Shorthand and Typewriting Course, provided a proper standard of proficiency in English is maintained.

GENERAL SCHEDULE

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8:00	Pub. Sp. Bible 1 English 3 Geology	English 1A History 2 Philosophy 3 Chem. 1B	Bible 2 English 3 Geology Com'l Law	English 1A History 2 Philosophy 3 Chem. 1B	Bible 2 English 3 Geology Com'l Law	English 1A History 2 Philosophy 3 Chem. 1B
9:00	History 1 Physics 1 English 2 Greek 2 Philosophy 2 Math. B	French A German 1 Philosophy 1 Math. 1B Latin 2 Economics 2 Chemistry 3 Bookkeeping	History 1 Physics 1 English 2 Greek 2 Philosophy 2	French A German A Philosophy 1 Math. 1B Latin 2 Economics 2 Chemistry 3 Bookkeeping	History 1 Physics 1 English 2 Greek 2 Philosophy 2	French A German A Philosophy 1 Math. 1B Latin 2 Economics 2 Chemistry 3 Bookkeeping
10:00	German 1 French 2 Math. 2 Greek 4	Arithmetic Greek 1 Chem. 1A Math. 3 English 4 Biology 3	German 1 French 2 Math. 2 Greek 4	Arithmetic Greek 1 Chem. 1A Math. 3 English 4 Biology 3	German 1 French 2 Math. 2 Greek 4 Arithmetic	Arithmetic Greek 1 Chem. 1A Math. 3 English 4 Biology 3
11:00			CHAPEL EXERCISES			
11:30	Math. 1A Pol. Sci. 2 Physics 2 Spanish 3	Latin B Latin C Latin 1 Spanish 1 English 1B Biology 2 Astron. (1S) Surv. (2S)	Math. 1A Pol. Sci. 2 Physics 2 Spanish 3	Latin B Latin C Latin 1 Spanish 1 English 1B Biology 2 Astron. (1S) Surv. (2S)	Math. 1A Pol. Sci. 2 Physics 2 Spanish 3	Latin B Latin C Latin 1 Spanish 1 English 1B Biology 2 Astron. (1S) Surv. (2S)
12:30	French 1 German 3 Economics 1 Sociology Fine Arts	Math. B Biology 1 Greek 3 Chemistry 2 Spelling	French 1 German 3 Economics 1 Sociology Fine Arts	Math. B Biology 1 Greek 3 Chemistry 2 Spelling	French 1 German 3 Economics 1 Sociology Fine Arts	Math. B Biology 1 Greek 3 Chemistry 2
1:30			DINNER HOUR			
2:00	Greek 1 Phys. 1 Lab. Phys. 2 Lab.	Biol. 1 Lab. Chem. 2 Lab.	French A German A Chem. 1 Lab.	Chem. 1 Lab. Biol. 3 Lab.	Latin B Latin C Spanish 1	

EXPENSES

REGULAR COLLEGE FEES

	HALF SESSION	WHOLE SESSION
Tuition Fee	$37.50	$75.00
Incidental Fee (for general college expenses)	7.50	15.00
Gymnasium Fee	3.00	6.00
Library Fee	2.50	5.00
Athletic Fee	5.00	10.00
Medical Fee	2.00	4.00
Contingent Deposit (returnable, less damage)	5.00	5.00
Total	$62.50	$120.00

The above fees are payable one-half upon matriculation and one-half on the first day of the second semester, which is on or about February 1.

SPECIAL FEES

Laboratory fees in the science courses are given in connection with the outline of such courses under the catalogue heading "Departments of Instruction."

In addition a breakage deposit of $5 for the year is required of all men registering for scientific courses. Any unused portion of this deposit is returned to the student after the close of the session.

Students are required in all cases to return to college after all vacation periods in time for their first class on the day of the resumption of work. Each student failing to do so will be charged $1 for the first day or part of a day of such tardiness, and $1 for each additional day, except, in no case, will such charges total more than $5.

Students failing in examinations and applying for re-examination will be charged a fee of $2.00 for each re-examination. No professor is authorized to re-examine any student until the said student presents to him a written receipt from the Treasurer of the Faculty showing that this fee has been paid.

All applicants for admission to the College, whether new students or those of a former session, must matriculate during

the two days assigned for registration or within twenty-four hours after reaching Salem, or pay a special matriculation fee of $2.50.

All candidates for degrees must deposit with the Treasurer of the Faculty at the beginning of the second semester, a diploma fee of $5.

The contingent deposit of $5 paid by all students is returned after the close of the session, less any charges for damage to college property or to the property of citizens of Salem.

EXEMPTION FROM FEES

A student who receives a scholarship is exempt from the payment of the tuition fee of $75 for the session, but is liable for all other fees and charges. No exception can be made to this rule.

The sons of clergymen of all denominations actually engaged as pastors or teachers are granted a remission of one-half the regular tuition fee.

Candidates for the Ministry of the Gospel who are certified by competent ecclesiastical authority and who maintain a consistent character, are granted a remission of one-half the regular tuition fee. A candidate who fails to enter the ministry and to serve five years therein will be required to pay the fees remitted.

These exemptions to ministerial students and to ministers' sons may be withdrawn by the faculty whenever in their judgment the recipient proves himself unworthy.

Students entering late in any semester are granted no reduction of fees, except that, if such delay in entrance exceeds six weeks, the tuition fee only is pro-rated for the actual time spent in college.

RETURN OF FEES

When in the opinion of the College Physician the health of a student obliges him to leave college, whatever portion of the tuition has been advanced by the student is refunded to him by the Treasurer of the Faculty. But in no case are other fees refunded.

Students who voluntarily withdraw from college during the semester or who are dropped by the faculty thereby forfeit all fees.

ROOMS IN THE DORMITORY

The college dormitory is strictly modern in every respect. A choice between single rooms and suites containing a study and two bedrooms may be had. When two occupy a room or suite, rent, including steam heat, electric light, daily attention to room, and necessary furniture—except bed clothing—will cost each student from $4.25 to $9.25 per month. These rates include free access to hot and cold shower baths, which may be found on each floor in each section of the dormitory.

All students will be required to room in the dormitory except upon special permission from the Dean of the College, and then only upon written application and statement of reasons which shall in the Dean's judgment warrant the granting of such permission.

ASSIGNMENT OF ROOMS

Rooms will be assigned under the following regulations:

1. A student, in order to retain his room for the next session, must notify the Superintendent of Buildings and Grounds in writing on or before May 10th.

2. The room thus engaged will be retained until the 10th of August, when it will be released, unless $5 shall have been deposited with the Superintendent of Buildings and Grounds. This deposit is required of each holder of a room. The deposit for a double room, therefore, is $10.

3. After May 10th all rooms not applied for will be assigned in the order of applications. After August 10th all rooms or parts of rooms engaged but not deposited for will be assigned to others in the order of applications, but in order to hold a room until the opening day the deposit must be made.

4. The deposit of $5 will be credited on the current rent for the room. If the applicant finds it impossible to attend college, the deposit will be refunded, provided that notification of the release of the room is given by September 10th; otherwise, the deposit will be forfeited.

5. A room assigned and deposited for will be held for the applicant until the seventh day after the opening of the session. If at the end of the seventh day the applicant is not present to

claim the room, the deposit will be forfeited and the room declared vacant.

After selecting rooms students will not be permitted to change them without previous permission from the Dean.

Students will be held responsible for disorderly behavior in their rooms.

All damage to college property will be assessed upon the students as a body, unless paid for by those doing the damage.

BOARD AT COLLEGE COMMONS

The new College Commons has a large dining room with seating capacity for 200 boarders. Board will be furnished at actual cost. The cost of board for the session of 1921-1922 should be between $20 and $25 per month. All students will be required to board at the College Commons, except when special permission is granted by the Dean of the College, and then only upon written application and the statement of reasons which in the judgment of the Dean will warrant the granting of such permission.

Only under most exceptional circumstances will students be permitted to room and board off the campus. All places of rooming and boarding must be approved by the faculty. In no cases will students be permitted to board or room at hotels, restaurants, or public boarding houses.

No deduction will be made from the charges for board at the College Commons, unless the student applying for same has been unavoidably absent for a period of at least six consecutive days, and has given previous notice to the head-waiter of the exact time of such absence.

SUMMARY OF PROBABLE NECESSARY EXPENSES

	LOW	MODERATE	HIGH
Tuition fee, nine months	$ 75	$ 75	$ 75
Incidental fee, nine months	15	15	15
Library fee, nine months	5	5	5
Gymnasium fee, nine months	6	6	6
Room rent, etc., nine months	38	56	85
Table board, nine months	180	210	225
Laundering, nine months	18	27	36
Athletic fee, nine months	10	10	10
Medical fee, nine months	4	4	4
Total for the nine months	$351	$408	$461

There are certain other fees which are paid by the majority of students in connection with the various student organizations, as the literary societies, the Y. M. C. A., etc., but these are optional.

TIME OF PAYMENT

Each student should come prepared to pay his fees for the first semester and his first month's board and room rent. These will amount to between $90.00 and $100.00, according to style of living and courses elected.

All sums due the College from students for unpaid fees, room, board, damage to property, etc., are payable in advance on the first day of each month. If remaining unpaid at the close of business on the 15th of the month, delinquents will be debarred from class attendance until satisfactory arrangements are made and a permit from the Treasurer is obtained. All such class absences are counted as "cuts" and will be deducted from the regular gratuities.

BOOKS

The cost of books depends upon the studies pursued. Books are sold at the College Store and for cash only at the publishers' list prices. Second-hand books may frequently be purchased at lower prices.

GENERAL REGULATIONS

THE COLLEGE YEAR

The annual session begins on the Wednesday nearest the 14th of September and closes on the Wednesday nearest the 14th (13th in leap years) of June.

The session is divided into two parts called semesters. The first semester begins with the session and continues to the first of February. The second semester begins the first of February and ends with the session.

The Christmas recess begins on the twenty-third of December and ends on the second of January.

An Easter recess of four days is given from Friday to Monday, inclusive.

CLASS STANDING

For regular admission to the Freshman class a student must have credits for fifteen units. Those, however, who have at least thirteen units will be admitted conditionally.

A student is eligible to Sophomore standing when he has completed twenty semester hours of college work.

A student is eligible to Junior standing when he has completed fifty semester hours of college work and the entrance requirements.

For classification as a Senior a student must be enrolled in all courses required for graduation which he has not previously completed.

NUMBER OF HOURS A WEEK

The normal amount of work for a student is sixteen hours a week. One course in addition to this amount will be allowed only with the approval of the Registrar.

MINIMUM SCHOLARSHIP REQUIREMENTS

Members of the Freshman and Sophomore classes must attain the passing mark in at least six hours of work in each semester.

Failure to do so automatically causes the withdrawal of a student from the College.

Members of the Junior and Senior classes must attain the passing mark in at least nine hours of work in each semester, or else similarly sever their connection with the College.

Seniors failing in three or more courses at the end of the second semester, must take the regular Senior work during the next year. Seniors failing in less than three courses may make up the deficiency without residence and will be graduated at the next commencement, provided they have appeared personally at the College for all examinations in such courses as must be made up.

CHANGE OF STUDIES

Upon registration, each student is furnished with an enrollment card which contains a statement and schedule of the courses in which he is enrolled. This card, when it has been approved by the Registrar, represents the work for which the student is responsible. Any student who desires to change his course of study must first secure the permission and approval of the Registrar. A student who drops a course or changes his enrollment without permission is liable to discipline. Changes of studies are permitted only during the first two weeks of the semester.

EXAMINATIONS

Examinations, generally written, are given at the end of each semester, and are made sufficiently rigid to test the student's knowledge of the studies pursued. Reviews of work done are given before examinations except when manifestly unnecessary or inadvisable.

Absence from an examination, except for reasons of absolute necessity, is considered a serious delinquency. Such absence, unless excused for good reason by the Dean, will debar the delinquent from class advancement.

Any student whose daily grade is below 60 is ineligible for examination.

RE-EXAMINATIONS

Students failing on examination in any semester are given a special examination within two weeks. In case a condition is not promptly removed the student will be required

to discontinue the course, or take the work over again in class a year later.

The fee for each re-examination is $2.

SYSTEM OF GRADING

General class standing and attendance on recitations and lectures, combined with the results of examinations, decide the class rank of each student. In determining a student's class rank, the daily grade is given twice the value of the grade obtained on examination.

Recitations and examinations are graded on a scale of which 100 is the maximum. An average grade of not less than 75 is required for class advancement in each study.

REPORTS

After each examination, statements are sent to parents or guardians showing the student's average grade in each subject for the preceding semester, together with information about class and chapel attendance and conduct. In the case of students who are notably delinquent, these statements will be made as often as once a month.

REQUIREMENTS FOR GRADUATION

A subject for a graduating thesis is assigned to each member of the Senior class before the Christmas recess. He is required to hand to the professor in whose department the subject is assigned an outline by March 1st and the complete thesis not later than April 15th. Theses are graded both as to matter and form and the grade thus assigned is used in determining the student's average graduating grade. Subjects are assigned to members of the class for speeches on Commencement Day.

For the degrees of A. B. and B. S. an average grade of not less than 75 in any study, with a general average of not less than 80, is required.

All Senior conditions are required to be made up before May 1st.

A candidate whose average grade for the final year in each subject, including the thesis grade, does not fall below ninety-five is graduated with a FIRST DISTINCTION; and a

candidate whose average grade falls below ninety-five, but not below ninety, is graduated with a SECOND DISTINCTION.

DISTINCTIONS

A student who is pursuing a regular course and whose average grade for the session does not fall below ninety-five is awarded a FIRST DISTINCTION.

A student who is pursuing a regular course and whose average grade for the session falls below ninety-five, but not below ninety, is awarded a SECOND DISTINCTION.

The names of students who win distinctions are announced and certificates of distinctions awarded on Commencement Day. The names of students thus distinguished are placed on the honor roll in the catalogue of the next session.

Any student who has been on probation at any time during the session, who has more than five demerits recorded against him for the session, or who was conditioned in any study is disqualified from receiving either first or second distinction. An absence from examination for any reason is considered a condition.

MEDICAL ATTENTION

The College employs a physician whose duty it is to make a physical examination of every student upon his admission to the College, to furnish medical attention throughout the session to those who have need of it, and to have general supervision of matters pertaining to hygiene and sanitation in the student life. The college physician will report to parents cases which require their attention.

For this service each student is charged a fee of $4.00 per session.

In case it is necessary to remove a student from the campus to a hospital for surgical operation or other treatment, the College does not obligate itself for the expense.

CLASS ABSENCES

Each student is allowed a total gratuity of as many class absences a semester as he has recitations a week.

The gratuity in each course a semester is equal to the number of recitations a week in the course.

A gratuity of six absences a semester from chapel is allowed to each student.

When a student exceeds his gratuity in any course, he becomes subject to discipline.

Absences are counted from the first recitation in each course.

Absences from class affect the grade of the student for that course, unless promptly made up to the satisfaction of the professor in charge. The making up of work missed is a departmental matter and is entirely under the supervision of the heads of departments.

ABSENCE FROM COLLEGE

Permission to be absent from college for any considerable time or distance must be secured from the Dean of the College. Students wishing to visit Roanoke may do so without permission, provided the frequency of their visits does not interfere with their work. Whenever it is found that a student is wasting his time in going to Roanoke, the privilege will be taken away immediately.

DISORDERLINESS AND NEGLECT OF WORK

Discipline is administered both for misconduct and neglect of work. It may take the form of admonition, probation, suspension, or expulsion, according to the degree of the offense. While insisting on a proper observance of all college rules, it is the earnest aim of the faculty to inculcate the principle of acting from a high sense of duty, rather than from the mere constraints of authority. The faculty recognize the importance of preserving a wholesome moral atmosphere in the college community; and to this end they will request the withdrawal of any student whose influence is known to be pernicious by reason of immorality, disorderly conduct, persistent idleness, or any other sufficient cause.

THE COÖPERATION OF PATRONS

It has always been the aim of the trustees and the faculty of Roanoke College to provide the best facilities for acquiring a liberal education, and so to control the necessary expenses of students that young men of slender means might not be debarred from the advantages offered by the institution. How well they have succeeded may be seen by carefully comparing the wide range of studies and facilities of instruction with the small outlay necessary for the enjoyment of these advantages. The aim of the College is not to make money, but to do good by helping young men to prepare for useful living. All the fees paid by the students fall far short of the amount required to meet the current expenses of the College. Every student, therefore, receives much more than he pays for.

The faculty cannot too earnestly urge upon the attention of parents that students should be present on the day preceding the opening of the session. A week or two lost at the beginning of the session is frequently the cause of embarrassment throughout the year.

Parents and guardians are requested to consult the faculty before expressing a willingness for their sons or wards to change or discontinue studies.

It is especially requested that patrons will not, for slight cause, ask permission for students to withdraw from the College before the final examination.

Since the College has provided a generous amount of time for holidays and recreation in the Christmas and Easter recesses and other holidays, parents are earnestly requested not to encourage students to leave the College for long visits to the neglect of their studies.

PRIZES AND HONORS

JUNIOR SCHOLARSHIP MEDAL

A medal is awarded annually to that member of the Junior class who has the highest average scholarship.

TRUSTEES' MEDAL

The trustees of the College have established a gold medal to be awarded annually to any regularly classified student who shall present the best essay in the field of industrial relations.

FACULTY MEDAL

The faculty of the College have established a gold medal to be awarded annually to any regularly classified student who shall contribute the best short story or essay to one of the college publications.

ATHLETIC SCHOLARSHIP PRIZE

A prize of twenty dollars in gold is offered annually to any regularly classified student who attains the highest average scholarship among the men who win the "R" in athletics.

SOCIETY MEDAL IN ORATORY

The literary societies jointly offer a gold medal for excellence in oratory. At a primary contest, held in the halls of the societies on the second Saturday in April, three contestants from each society are selected by a committee to speak at the final contest. The contest is held on one evening of commencement week, and the medal is awarded by a committee of five gentlemen selected by the contestants.

CONDITIONS OF CONTESTING

Only students pursuing a regular course may contest for the prizes mentioned above.

Any member of either literary society who ranks above the Sophomore class, may enter the contest for the medal in oratory, subject to conditions imposed by the societies.

No student may contest twice for the same prize.

FACILITIES FOR INSTRUCTION

LIBRARY

The college library occupies the Bittle Memorial Building. The main section of this building, erected in 1879, is entirely occupied by book stacks. In 1894, an annex was built, consisting of a large central room with two communicating wings. In the central room are kept works of general reference and special books needed for immediate use by the departments of instruction of the College. In the east wing are filed the current periodicals and newspapers. The rooms in the annex afford ample facilities for reading and study.

The library now contains approximately 21,000 volumes, including books and bound periodicals. There is a good supply of works of general reference, such as encyclopedias, dictionaries, and indices to periodical literature. All literary and scientific departments of study are represented in the library's collections. Important recent publications embodying the results of the latest research are regularly added. A modern card catalogue, in which works are listed both by authors and subject matter, renders the material in the library easy of access. The library is a depository for Government publications. 5,612 such documents have been arranged in accordance with the check list issued by the Superintendent of Documents and are readily available for reference. The library subscribes to twenty-three technical journals and general magazines and to three daily papers.

The library is open throughout the day and for two hours in the evening on each working day during the session. A trained librarian is in charge. Students have direct access to all books. They may withdraw books in accordance with library regulations and are encouraged to use the library for reading and study. They are given the opportunity to master the scientific use of the facilities of a modern library. Under certain conditions, the collections of the library are available for the teachers, school children, and residents of Salem.

The library possesses much important source material for historical research, especially in the Civil War period. A number of valuable editions dating from the fifteenth and six-

teenth centuries are among the old and rare volumes on its shelves. In the library are preserved portraits of Dr. D. F. Bittle, the first President of the College, and of several benefactors of the College, also class-groups of graduates.

THE CHEMICAL LABORATORIES

The chemical laboratories are situated on the third floor of the Administration Building. There are five laboratory rooms and class rooms, stock room, and dark room.

Precision equipment from manufacturers in the United States and Europe has been recently acquired; e. g., Pellin, saccharimeter-polarimeter; Abbe, refractometer; Emerson, calorimeter; Hoskins, muffle, combustion and usual furnace; ovens; balances; B. and L. microscope; thermostat, control, .02° C.; electrometric apparatus; and others.

Electric energy is the main source of fuel, and offers many advantages in quantitative estimations.

Library facilities are offered by some of the best reference volumes and journals, both American and foreign. A complete set of U. S. chemical bulletins are available.

THE PHYSICAL LABORATORIES

The physical laboratories occupy the three rooms on the first floor of West Hall. These rooms are admirably suited for work in physics since they have been remodeled and equipped with suitable furniture. The recitation room can be darkened and used for experimenting in optics and for baloptican lectures. The two remaining rooms have been equipped with large cabinets for storing apparatus and a number of tables that will accommodate large classes for individual work. Among the apparatus may be found first class vernier and micrometer calipers, barometer, hydrodeik, impact apparatus, torsion pendulum, Young's modulus apparatus, Bausch and Lomb baloptican, spectrometer, large optical bench, induction coil for X-ray work, large static machine, precision D'Arsonval galvanometer, motor generator, and storage batteries.

EQUIPMENT FOR RADIO COMMUNICATION

The Physics Department has installed a first class wireless outfit with a receiving capacity of about 22,000 meters and a

sending capacity of 1 kilowatt. The six-wire aerial is about 100 feet long and leads into a De Forest multiwave tuner with a good variety of honey-comb coils. The tuner is connected to a Grebe detector and one stage amplifier, and from there the signals pass through a Baldwin, type E, headset. Provision has been made for a new type magnavox (loud speaker), in order that an entire class may hear the signals at the same time. The principal units of the sending set are a Murdock rotary gap, a Clapp Eastham oscillation transformer, an Acme oil condenser, and an Acme 1 kilowatt power transformer.

THE BIOLOGICAL LABORATORIES

The entire east end of the third floor of the Administration Building is devoted to the biological laboratories. One large laboratory for work in general biology, two smaller laboratories for more advanced work, and a large lecture room are included. These rooms are all well lighted and provided with numerous wall cabinets, tables, and lockers. The large amount of additional biological apparatus recently placed in these rooms makes the laboratories thoroughly modern in every respect.

GYMNASIUM

The new gymnasium completed a few years ago has a main floor space 30 x 71 feet and is thoroughly modern in every respect. It is equipped with the usual apparatus, including Indian clubs, dumb bells, chest weights, horizontal and parallel bars, flying and traveling rings, etc. The main floor accommodates a good basket-ball court. In the basement are sanitary lockers and hot and cold showers.

THE HOOVER LECTURE FOUNDATION

Col. A. Pearson Hoover, Class of 1901, has established a fund to be devoted to bringing to the College lecturers of national reputation. The lectures are intended to quicken the intellectual life of the College and to provide a broader outlook for the students. They also constitute a part of the community service of the College and the public is invited to attend them.

During the present session the following lecturers have spoken at the College under the Hoover Foundation:

Dr. Charles Zueblin, author and lecturer; subjects, "1620—Puritan, Pilgrim and Patriot" and "1620-1920—Three Centuries of American Democracy."

Dr. W. J. Showalter, Editorial Staff of the National Geographic Magazine; subject, "Seeing Things."

Seumas McManus, author and lecturer; subject, "An Hour of Irish Stories."

Dr. Richard Burton, Head of the English Department of the University of Minnesota; subject, "Personal Reminiscences of Mark Twain."

RELIGIOUS AND MORAL CULTURE

The faculty and students assemble in the college chapel in the morning of each recitation day for religious worship, consisting of music, reading of Scripture, and prayer. Students are required to attend these exercises in the chapel.

Students are expected to attend religious worship at least once on Sunday. In attending church and Sunday-school they have choice among six denominations. Bible classes of college students are organized in the Sunday-schools of the town and there are young people's societies of various kinds in the churches. The pastors of these churches take a special interest in the religious welfare of the students.

It is the constant aim of the faculty to encourage in every possible manner a spirit of earnest work and true manliness. To build up a noble character is regarded as the highest function of education.

STUDENT ACTIVITIES

YOUNG MEN'S CHRISTIAN ASSOCIATION

For a number of years there has been a Young Men's Christian Association in connection with the College. It is designed to promote the growth of personal religion among its own members, and in doing this it exerts a salutary influence upon the students in general.

All students have the privilege of attending a weekly religious service on Tuesday evenings, conducted by members of the Young Men's Christian Association. The Association also maintains a number of classes for the systematic study of the Bible.

In 1900, a good organ was presented to the Association by Mr. M. P. Möller. The Association holds weekly religious services and monthly meetings for the transaction of business.

The anniversary address is usually delivered on the Sunday evening nearest the 22d of February. Other addresses are given occasionally during the session.

LITERARY SOCIETIES

The two literary societies, Demosthenean and Ciceronian, have large halls, handsomely furnished. The societies meet weekly, to engage in such exercises as give proficiency in parliamentary usage and contribute to the cultivation of oratory, debate, and composition. Much use is made of the library in preparing for these exercises, especially for debates. The exercises are regularly criticised by an officer of each society, and are thus made highly improving to the members. These societies become valuable auxiliaries in preparing young men for professional life.

Each society gives annually two gold medals, one to the best debater and the other to the best declaimer. These medals have the effect of increasing the interest felt by the members in the work of the societies. The regulations gov-

erning the contests are such as to insure as far as possible impartial awards of these prizes. The contests are held and the medals awarded in the month before Commencement.

Besides, two medals, each valued at $25.00, are awarded annually for improvement in debate during the session: in the Ciceronian Society, the Mary D. Wright Medal for Improvement in Debate, endowed by Prof. P. E. Wright, '87, A. M., of China Grove, N. C., in memory of his mother; in the Demosthenean Society, a medal for Improvement in Debate.

These societies are controlled wholly by their respective members. All matriculates of the College are admitted to membership in the societies on such conditions as their respective constitutions prescribe.

The Ciceronian Society holds its anniversary celebration on the evening of the 22d of February. The Demosthenean Society holds its anniversary celebration on the evening of the 19th of January.

DEBATE COUNCIL

For the encouragement of voluntary activity in forensics, the Debate Council of the College arranges intercollegiate contests, and directs debating primaries in which the college team is selected. A member of the faculty assists in the training of the debaters. A suitable reward is usually presented to the winning team.

GLEE CLUB

The Roanoke College Glee Club has been a student organization for a number of years. Besides the opportunity which it affords for the development of the vocal talent of the student body, it is the occasion for much good fellowship and wholesome entertainment. During the year several concerts are usually given in the town and occasionally a trip is taken.

ORCHESTRA

The College Orchestra is composed of members of the student body and faculty who are talented in instrumental music. It furnishes the music for numerous public functions on the campus and in the town.

THE ATHLETIC ASSOCIATION

The General Athletic Association is composed of a board of six members. Four members are students elected by the student body and one each is elected by the faculty and the Alumni Association. This board develops and supervises the athletic policy of the College and passes finally upon all intercollegiate schedules, contracts, and expenditures.

Roanoke College believes that clean competitive athletics develop in students good health and needed mental resourcefulness. It employs the best coach available to give instruction in all sports. It seeks to win intercollegiate contests without resorting to "ringers" and without the impairment of the scholastic work of such men as are members of teams, in all branches of sport.

As large a number of students as possible are encouraged to take part in some branch of athletics for the sake of their physical well-being. Second-team schedules are therefore arranged and many class contests are engaged in. By these means the benefits of athletic training are offered to the many rather than confined to the few who are successful in winning a place on regular "Varsity" teams.

A large athletic field is provided adjoining the campus, being located only a short distance from the dormitories and gymnasium.

GOLF

The students of the College are admitted to the use of the eighteen-hole golf course of the Roanoke Country Club as well as other privileges of the club upon proper recommendation and the payment of a moderate fee. The golf course is easily reached by trolley car, the distance being only about three miles.

THE COLLEGE STORE

The College Store is operated on the campus under the control of the General Athletic Association, which receives all profits from sales. Practically all supplies needed by students are kept in stock and prices in all cases are as reasonable as those charged in stores off the campus. The store also serves as agent for tailoring houses, pressing shops, laundries, florists, etc. The

student body pledges itself to give the store its patronage in all possible cases.

STUDENT PUBLICATIONS

A weekly devoted to athletic and general college news is published during the year. The *Collegian,* a literary journal, is issued every two months. The *Roentgen Rays,* the college annual, is published each year by the Junior Class.

HONOR SYSTEM

The students are self-governing in accordance with the principles of the Honor System adopted in January of this year. The Honor System is simply the application of the highest code of conduct and ideals to student life and activity both in the classroom and on the campus.

Full power to enforce the constitution of Student Government is vested in a council of seven students selected as follows: Three men from the Senior class, two from the Junior, one from the Sophomore, and one from the Freshman. All members of the Student Council are elected by their respective classes. It is the duty of the council to try students accused of acts which reflect on the honor and well-being of the College and student body.

The College encourages its students to govern themselves in so far as they can properly do so, in the belief that the responsibility develops character and sound judgment.

SCHOLARSHIPS

The generosity of friends of the College enables the faculty to offer to needy and deserving students a limited amount of aid, mainly in scholarships covering tuition fees for one year. In very deserving cases a scholarship may be renewed from year to year. A scholarship will be withdrawn whenever the holder shows a lack of appreciation of its privileges by neglecting his studies or by being guilty of serious misconduct.

All applicants for aid should present testimonials of good moral character; of studious, industrious, and economical habits; and of willingness to help themselves.

The faculty are anxious to encourage and aid worthy students who wish to attend Roanoke College. Such persons are invited to correspond with the faculty.

WATSON-WELLS MEMORIAL SCHOLARSHIP

The Watson-Wells Memorial Scholarship was founded in 1892, by Mr. A. E. Watson, of Marlin, Texas, who gave $1,000 in memory of his son, Armistead Churchill Watson, and Russell Lewis Wells, son of the late Professor S. C. Wells, Ph. D., LL. D., of the College. The income pays the tuition fee of a worthy student.

AUCHMUTY SCHOLARSHIP

In 1897, the Auchmuty Scholarship was endowed by Mrs. Richard T. Auchmuty, of New York City, who gave $1,000 for this purpose. The income pays the tuition fee of a needy and deserving student.

AUSTIN SCHOLARSHIP

Twenty-two Austin Scholarships for needy and deserving students have been established with the fund of $26,500 realized by the College in the settlement of the bequests of

$30,000 left by the late Edward Austin, of Boston, in 1898. Each of these scholarships covers the tuition fee of $75.

CONVERSE SCHOLARSHIP

In 1905, the late John H. Converse, LL. D., of Philadelphia, gave $1,000 to endow a scholarship, specifying that the income should be used to pay the tuition fee "of a deserving student for the Christian ministry."

GEORGE AND KATHERINE GOSE MEMORIAL SCHOLARSHIP

In 1907, Mr. and Mrs. John P. Gose, of Burkes Garden, Virginia, gave $1,000 to endow a scholarship in memory of his father and mother, George and Katherine Gose. The income pays the tuition fee of a deserving student for the ministry.

DOCIA VIRGINIA BONHAM SCHOLARSHIP

The Docia Virginia Bonham Scholarship was founded in 1907 by Mr. H. L. Bonham, of Chilhowie, Virginia, who gave $1,000 in memory of his wife, Docia Virginia Bonham. The income pays the tuition fee of a worthy student for the ministry.

GLOSBRENNER V. YONCE SCHOLARSHIP

In 1907, Mr. Ivan V. Yonce, of the Board of Trustees of Roanoke College, Salem, Virginia, gave $1,000 to endow a scholarship in memory of his brother, Glosbrenner Victor Yonce (Class of '77). The income pays the tuition fee of a deserving student.

THOMAS H. COOPER SCHOLARSHIP

In 1907, Mr. Thomas H. Cooper, a former student of the College, Salem, Virginia, gave $1,000 to endow a scholarship, the income from which is used to pay the tuition of a deserving student.

CRAUN SCHOLARSHIP

In 1912, Mr. and Mrs. R. S. Craun, of North River, Virginia, established a scholarship by the gift of $1,000 to the endowment fund, the income of which shall be used to as-

sist in paying the fees of students for the ministry who need assistance.

CHARLES A. SCHIEREN SCHOLARSHIP

In 1913, the late Charles A. Schieren, of New York, gave $1,000 to endow a scholarship, the income from which is available for the aid of a deserving student for the ministry.

WILLIAM W. WATTLES SCHOLARSHIP

In November, 1915, Mrs. W. W. Wattles, of Pittsburgh, Pa., gave $1,000 to endow the William W. Wattles scholarship in memory of her husband. The income from this scholarship is to be used annually to aid a promising student of limited means.

BENEFACTIONS

Grateful acknowledgment is made by the College for the following bequests from friends:

REV. ANDREW BIGELOW, D. D., Southboro, Mass. (1881)	$ 1,000.00
MRS. GEORGE H. CROCKETT, Springfield, Mass. (1892)	5,000.00
MR. HENRY J. STEERE, Providence, R. I. (1891)	25,000.00
MR. EDWARD AUSTIN, Boston, Mass. (1898)	26,500.00
MR. STEPHEN W. MARSTON, Boston, Mass. (1898)	2,000.00
MISS ELLEN M. SPEED, East Hartford, Conn. (1901)	2,000.00
CAPT. A. H. WILSON, Harrisonburg, Va. (1901)	2,000.00
COL. G. B. BOARD, Salem, Va	10,000.00
MRS. S. F. SIMMONS, Salem, Va. (1903)	1,000.00
FRANKLIN J. BYERLY, Philadelphia, Pa	2,000.00
ELIJAH RUDOLPH, Frederick County, Virginia (1903)	6,000.00
JACOB PERSINGER, Roanoke County, Virginia (1884)	8,132.45
MR. AND MRS. F. C. OTT, Augusta County, Virginia (1911)	6,582.00
MAJOR E. A. ARTMAN, Philadelphia, Pa. (1912)	5,000.00
MRS. CHARLOTTE M. FISKE, Boston, Mass. (1918)	5,000.00
MRS. NANCY J. BIGELOW, Southboro, Mass. (1918)	3,000.00
MISS KATHERINE SCHAEFFER, Philadelphia, Pa. (1919)	2,500.00
MR. WILLIAM PORE, Pittsburgh, Pa. (1920)	1,000.00
MRS. M. G. BOARD (1893)	5,000.00
MR. W. C. GROVES	3,000.00
MRS. JOHN TROUT	1,488.00
MR. J. H. CONVERSE (1905)	2,000.00

In addition to the above, appreciative acknowledgment is made for many gifts to the Endowment Fund, for many contributions to the library and to the scientific collections, and for the constant support of many friends in maintaining scholarships, current expenses, buildings and grounds, etc.

NEEDS

Like all educational institutions, Roanoke College offers its privileges to students at much less than actual cost. The annual budget for current expenses is $20,000 in excess of all income received from endowment funds and from students' fees. Only the consistent liberality of its many friends in all parts of the country makes possible the permanency of its fine educational service.

Friends and alumni are asked to consider the matter of remembering Roanoke College in their wills. The capital sum of $1,250 will endow a permanent scholarship to be awarded to deserving students. Under ordinary circumstances, the Board of Trustees would prefer that all legacies be left either to the Endowment Fund or for the support and maintenance of the College at the discretion of the Board.

Persons desiring to leave money by will should be careful to use the legal title of the corporation—"*The Trustees of Roanoke College at Salem, Virginia,*" as in the following form of bequest:

FORM OF BEQUEST

I give, devise, and bequeath to the Trustees of Roanoke College, at Salem, Virginia ..... *Dollars, for the support and maintenance of said College (or for purposes of permanent endowment, for the permanent endowment of a professorship or scholarship in said institution, or for the erection and maintenance of an additional building, etc.)*

ANNUITIES

Friends desiring to make gifts to the College and at the same time to use the income therefrom during their natural lives, may do so according to the annuity plan. Under this plan the principal sum may be paid to the Treasurer of the Trustees at any time, the said Treasurer giving ample security for the same, and paying annually a variable rate of interest (from 5 per cent. to 7 per cent., according to the age of the donor) until the death of the donor, at which time the principal of the gift becomes the permanent property of the College, without the necessity of the usual inheritance taxes.

A SUGGESTION

Friends and alumni wishing to give considerable sums of money during their lifetime are asked by the Board of Trustees to consider the following immediate needs:

1. The Permanent Endowment Fund.
2. A new Chapel and Auditorium, with adjoining assembly rooms for the College Y. M. C. A. and other student organizations.
3. The endowment of a full professorship.

Any further information about these suggested gifts will be furnished gladly by the President of the College.

RECORDS OF ALUMNI AND EX-STUDENTS

Complete card filing systems, both alphabetical and geographical, of all students who have attended the College are kept in the office of the Secretary. The cards contain the full name, the years in college, the address, the business, and a brief sketch of each old student. The College appreciates the coöperation of all Roanoke men in helping to keep complete these valuable records. It is especially desired that any change in the address or the work of alumni and ex-students be reported promptly to the Secretary.

ALUMNI ASSOCIATION

The Alumni Association is composed of the graduates and former students of the College.

The association meets annually during commencement week.

OFFICERS OF THE ALUMNI ASSOCIATION

President

L. M. ROBINETTE, '06 ..... Jonesville, Va.

Vice Presidents

F. S. TAVENNER, '87 ..... Woodstock, Va.
REV. J. J. SCHERER, D. D., '00 ..... Richmond, Va.
REV. J. T. HUDDLE, D. D., '91 ..... Washington, D. C.
REV. G. W. SPIGGLE, '80 ..... Wytheville, Va.
REV. S. C. BALLENTINE, '91 ..... Damascus, Va.
PROF. A. W. MCWHORTER, PH. D., '95 ..... Hampden-Sidney, Va.
T. M. PLONK, '10 ..... Cherokee Falls, S. C.
REV. W. A. WADE, '02 ..... Baltimore, Md.
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June 13-15, 1920

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ADDRESS TO THE GRADUATING CLASS:
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DEGREES CONFERRED JUNE 11, 1920

Bachelor of Arts

FELIX WILHELM ALTRUP.....Purcellville, Va.
CLEVELAND EARL BRANNER.....New Market, Va.
JAMES EDWARD COMER.....Roanoke, Va.
HARLEY ELLSWORTH ERB, JR.....Roanoke, Va.
ALBERT GOTTLIEB FISCHER.....Pittsburgh, Pa.
CECIL WAYNE GRAY.....Bristol, Va.
WALTER DECK HULL.....Piney Flats, Tenn.
LAMBERT PETER KLOPP.....Lurich, Ont.
LEWIS YATES KNEISLEY.....Woodstock, Va.
ABRAM SCHULTZ MOORE.....Timberville, Va.
EARLE BLOOMER MOORE.....Clinchport, Va.
FREDERICK FERGUSON MOREHEAD.....Salem, Va.
LEONARD GASTON MUSE.....Vinton, Va.
JULIUS FIELDING PRUFER.....Staunton, Va.
GEORGE WILLIAM RUDD.....Strasburg, Va.
REUBEN ROY RUSH.....Roanoke, Va.
CLARENCE BONNER SHULENBERGER.....Landis, N. C.

Bachelor of Science

DOUGLAS GORDON CHAPMAN.....Woodstock, Va.
CLARENCE WILLIAM KAETZEL.....Brunswick, Md.
ALFRED PEERY SPRACHER.....Norton, Va.

ROLL OF HONOR

First Distinction

HERBERT JOHNSTON PLONK.....Kings Mountain, N. C.
GEORGE EWING STARNES.....Gate City, Va.

Second Distinction

CONNOR BURKET BATMAN.....Luray, Va.
CLEVELAND EARL BRANNER.....New Market, Va.
HARLEY ELLSWORTH ERB, JR.....Roanoke, Va.
ALBERT GOTTLIEB FISCHER.....Pittsburgh, Pa.
STANLEY TAYLOR GODBEY.....Radford, Va.
CECIL WAYNE GRAY.....Bristol, Tenn.
HARTSELLE DEBURNEY KINSEY.....Roanoke, Va.
CHITOSE KISHI.....Salem, Va.
LAMBERT PETER KLOPP.....Lurich, Ont.
LEWIS YATES KNEISLEY.....Woodstock, Va.
CHALMERS MOREHEAD.....Salem, Va.
JULIUS FIELDING PRUFER.....Staunton, Va.
GEORGE WILLIAM RUDD.....Strasburg, Va.
CLARENCE BONNER SHULENBERGER.....Landis, N. C.
ALFRED PEERY SPRACHER.....Norton, Va.
SAMUEL JAMES THOMPSON.....Rustburg, Va.

AWARD OF PRIZES

Junior Prize Scholarship in English

STANLEY TAYLOR GODBEY.....Radford, Va.

Trustees' Medal in Mathematics

HARTSELLE DEBURNEY KINSEY.....Roanoke, Va.

Faculty Medal in Greek

ALBERT GOTTLIEB FISCHER.....Pittsburgh, Pa.

CATALOGUE OF STUDENTS

1920-1921

Post Graduates

OSCAR FISHER BLACKWELDER.....Roanoke
FREDERICK FERGUSON MOREHEAD.....Salem
JULIUS FIELDING PRUFER.....Staunton
REUBEN ROY RUSH.....Roanoke

Seniors

WILLIAM ATKINSON.....Roanoke
ARTIE FLEET BARRIER.....Danville
CONNOR BURKET BATMAN.....Luray
JOHN CLARK BERRY.....Bedford
IRA DALTON CHAPMAN.....Salem
WALTER CLAY CHAPMAN.....Salem
JOHN HAMPSON FRAY.....Madison
STANLEY TAYLOR GODBEY.....Radford
HARRY ADISON JACKSON.....Mt. Sidney
RALPH KELLY KILLINGER.....Marion
HARTSELLE DEBURNEY KINSEY.....Roanoke
HERBERT SENSENEY LAUCK.....Winchester
WILLIAM AUGUST MAHLER.....Wilmington, N. C.
PAUL HERNDON NEESE.....Swansea, S. C.
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JESSE RAYMOND WILLIAMSON.....Salem

Juniors

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JOAQUIN FRANCISCO CICERO.....San Antonio, Texas
ARTHUR PUGH COLEMAN.....Rustburg
LUTHER GRADY COOPER.....China Grove, N. C.
WADE B. CORBIN.....Weyers Cave
WILLIAM LEE DARNELL.....Salem
RUSSELL CLARK GROVE.....Strasburg
OTTO FULTON HESTER.....Easley, S. C.
ELBERT BROWN LINDAMOOD.....Wytheville
CLARENCE REID MCLAIN.....Salem
WILLIAM KENNEY MCKAY.....Luray
LEONIDAS NEILSON MCREYNOLDS.....Salem

LAURENCE HENRY MODISETT.....Luray
CARL HENRY MONSEES, JR.....Savannah, Ga.
WALTER HUGHES OAKEY, JR.....Salem
HARDY GRANT ROSS.....Mt. Jackson
GEORGE STELLJES, JR.....Savannah, Ga.
NORMAN ALLEN WOODSON.....Daleville

Sophomores

CHARLES SIDNEY BALLENTINE.....Damascus
OTIS CALHOUN BROWN.....Belspring
ORION GREY CALLISON.....Lewisburg, W. Va.
JOHN DABNEY CARR.....Roanoke
BRADSHAW DEKIME CASTOR.....Concord, N. C.
WILLIAM FRED COLEY.....Rural Retreat
JESSE RUSIA BURTON CRIGLER.....Madison
EDWARD ERWIN DOBBINS.....Roanoke
TOBIAS GOODMAN.....Raleigh, N. C.
PAUL BUSHONG GRAY.....Bristol, Tenn.
BENTLEY HITE.....Snowville
LEO SUTHERLAND HOWARD.....Floyd
JAMES SCHULTZ HUFFARD.....Wytheville
YOUNG POK KANG.....Won San, Korea
CHITOSE KISHI.....Kamogun, Japan
HOWARD FREDERICK KUDER.....Philadelphia, Pa.
CHARLES MCCULLOCH LEFEW.....Salem
JAY CASPER LITTS.....Norton
ROY LAFAYETTE MCCOLLUM.....Mason, Texas
ZACH DUNCAN MCWHORTER.....Bethel, N. C.
SAMUEL AUBREY MAUNEY, JR.....Kings Mountain, N. C.
CHALMERS MOREHEAD.....Salem
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FURMAN B. WHITESCARVER.....Salem

Freshmen

NEVILLE LAMONT ADAMS.....Gretna
MONROE GLASS BALDWIN.....Roanoke
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CHARLES REUBEN BLACKWELDER.....Concord, N. C.

WILLIAM DELP BRADBURY.....Radford
ROBERT CARSON BROWN.....Belspring
WALTER UMBERGER BROWN.....Salem
GEORGE MINOR CALDWELL.....East Radford
ARTHUR JORDAN CAMDEN.....Amherst
SUNG HYUN CHA.....Toppliff, Utah
KENNY EARL COFFMAN.....Troutville
WILLIAM STEEL CREIGHTON.....Roanoke
FREDERICK FENDON DAVIS.....Roanoke
RUSSELL LEWIS DAVIS.....Rocky Mount
JOHN WESLEY BRYAN DEEDS.....Haymakertown
WILLIAM ROBERT DEVIN, JR.....Roanoke
JAMES HOWARD DINWIDDIE.....Moneta
WILLIAM RUSSELL GIFFIN.....Roanoke
HERBERT WALKER GILLESPIE.....Roanoke
CECIL FLOYD HAWKINS.....Zeus
WALLER FORREST HAWKINS.....Zeus
MARSHALL HEDRICK.....Elkton
PERCY ROSS HENDERSON.....Troutville
LOUIS NEWTON HOCK.....Roanoke
CHARLES ADELBERT HUNTON.....Salem
JOHN CRABTREE KILLINGER.....Rural Retreat
CHARLES WILLIAM KINZER.....East Radford
HUGH JUDSON LAMBERT.....Crockett
JAMES THEODORE LUCAS.....East Radford
BROOKS HILL MARMON.....Roanoke
CLARENCE EDWARD MAY.....Weyers Cave
CECIL GARBER MAY.....Weyers Cave
ROMO CLYDE MITCHELL.....Salem
WALTON FUQUA MITCHELL.....Roanoke
WILLIAM ALEXANDER OAKEY.....Salem
JACOB MARTIN ORNDORFF.....Washington
HARRY DUVALL PAINTER.....Lewisburg, W. Va.
THOMAS WILLOUGHBY POTTER.....Troutville
DWIGHT ARMSTRONG RUDASILL.....Salem
CARL VALENTINE SLOOP.....Bloom
CHARLES HAROLD SMOOT.....Clarendon
JOHN ANDREW STEPHENS.....Martinsville
ROBERT MARSHALL TOPHAM.....Wytheville
HAROLD IRVIN WELLS.....Roanoke
CARL GLENN WILKINS.....Woodstock
LAWRENCE B. WILLIAMSON.....Buchanan
ROBERT E. YOUNGER.....Rustburg

Special Course Students (Collegiate)

ORRAN DAVIS OAKEY, JR.....Salem

Preparatory Course Students*

WHITFIELD WADE BARRIER.....Danville
HANS AUGUST BECHTOLT.....Salem
RUSSELL CARPENTER.....Brightwood
ROLAND J. FERGUSON.....Salem
RUSSELL LORING FLETCHER.....Whitacre
BERNARD GREENWOOD GARRETT.....Rocky Mount
CHARLES BACHELOR GREINER.....Salem
LIN SUNG HAHN.....Pyung Yang, Korea
LAWSON MUSE HOPKINS.....Rocky Mount
GLENN WILLIAM HOWARD.....Floyd
WILLIAM HAMMOND JOHNSON.....Hiawatha, W. Va.
HUNG SUP KAHNG.....Pyung Yang, Korea
CHYUNG EUN KIM.....Rang Chyun, Korea
CHYUNG KOUP KIM.....Roung Chyun, Korea
PHILIP HAMNER JETER KIME.....Salem
JAMES LYNDON LUCAS.....Luray
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FRANK RIDGEWAY POFF.....Salem
BELNARD RUCKER PRICHARD.....Salem
IRVING WASHINGTON RAMSEY.....Sydnorsville
HOWARD STROUSE RICE.....Salem
PAUL SIEG, JR.....Salem
CLARENCE SIMPSON.....Parrott
JOHN CURTIS TURNER.....Roanoke
JOHN LUTHER WALKER.....Lynnwood
ROBERT GLENN WALKER.....Roanoke
THEODORE WINSTON WHITSETT.....Roanoke

Commercial Course Students

PALMER BROOKS ANDERSON.....Dublin
CARLTON MITCHELL ARTHUR.....Bedford
JAMES BENSON BRILLHEART.....Dublin
RALPH LYNN COLEY.....Rural Retreat
MARION BRYAN COPENHAVER.....Salem
GEORGE FREDERICK GARIS, JR.....Roanoke
CHARLES WILLIAM MARTIN.....East Radford
ROBERT JENNINGS MITCHELL.....Marion
EDWIN ANDREW PEERY.....Burkes Garden
SAMUEL CECIL PEERY.....North Tazewell
CARLTON DEMOSS PRICE.....Taylors Store
E. C. RICHARDS.....Rocky Mount
ROBERT B. ROGERS.....Salem
STUART LEVI SMITH.....Fairmont, W. Va.

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*The Preparatory Department of the College is discontinued with this session.

SUMMARY

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